Appendix 5

SimTraffic Simulation Summary – 2003 Existing Conditions

SimTraffic Simulation Summary – 2023 Future Conditions

SimTraffic Simulation Summary – Signal Alternative 2003 Existing Conditions

SimTraffic Simulation Summary – Signal Alternative 2023 Future Conditions

SimTraffic Simulation Summary – Roundabout Alternative 2003 Existing Conditions

SimTraffic Simulation Summary – Roundabout Alternative 2023 Future Conditions

SimTraffic Simulation Summary – One-Way System Alternative 2003 Existing Conditions

SimTraffic Simulation Summary – One-Way System Alternative 2023 Future Conditions

Summary of All Intervals

Run Number	1	2	3	4	5	Avg
Start Time	12:35	12:35	12:35	12:35	12:35	12:35
End Time	1:45	1:45	1:45	1:45	1:45	1:45
Total Time (min)	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60
# of Intervals	2	2	2	2	2	2
# of Recorded Intvls	1	1	1	1	1	1
Vehs Entered	1941	2106	1981	1994	2004	2002
Vehs Exited	1793	1921	1837	1827	1802	1838
Starting Vehs	0	0	0	0	0	0
Ending Vehs	284	317	294	309	324	303
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	124	117	149	161	130	135
Travel Distance (mi)	2313	2552	2415	2389	2402	2414
Travel Time (hr)	269.2	260.0	283.0	293.3	268.0	274.7
Total Delay (hr)	197.3	181.0	208.0	219.1	193.1	199.7
Total Stops	6069	6597	6503	6444	5581	6237
Fuel Used (gal)	241.1	247.7	258.7	257.2	241.6	249.3

Interval #0 Information Seeding

Start Time	12:35
End Time	12:45
Total Time (min)	10

Volumes adjusted by Growth Factors.

No data recorded this interval.

Interval #1 Information Recording

Start Time	12:45
End Time	1:45
Total Time (min)	60

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	Avg
Vehs Entered	1941	2106	1981	1994	2004	2002
Vehs Exited	1793	1921	1837	1827	1802	1838
Starting Vehs	0	0	0	0	0	0
Ending Vehs	284	317	294	309	324	303
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	124	117	149	161	130	135
Travel Distance (mi)	2313	2552	2415	2389	2402	2414
Travel Time (hr)	269.2	260.0	283.0	293.3	268.0	274.7
Total Delay (hr)	197.3	181.0	208.0	219.1	193.1	199.7
Total Stops	6069	6597	6503	6444	5581	6237
Fuel Used (gal)	241.1	247.7	258.7	257.2	241.6	249.3

1: Berwick Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	0.4	0.6	0.9	1.9
Delay / Veh (s)	18.1	3.9	4.8	5.2
Stop Delay (hr)	0.4	0.2	0.1	0.7
St Del/Veh (s)	17.2	1.4	0.6	2.0
Total Stops	80	66	31	177
Stop/Veh	0.99	0.11	0.05	0.13
Travel Dist (mi)	17.7	47.4	102.8	168.0
Travel Time (hr)	1.2	2.5	4.4	8.1
Avg Speed (mph)	15	19	24	21
Fuel Used (gal)	1.1	8.1	5.7	14.9
Fuel Eff. (mpg)	16.6	5.8	18.1	11.3
HC Emissions (g)	3	22	14	38
CO Emissions (g)	58	1012	395	1465
NOx Emissions (g)	6	92	32	129
Vehicles Entered	82	589	657	1328
Vehicles Exited	81	587	652	1320
Hourly Exit Rate	81	587	652	1320
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

2: Beach Road & Route 1 Performance by approach

Approach	WB	NB	SB	NW	All
Total Delay (hr)	1.1	37.1	4.2	15.7	58.1
Delay / Veh (s)	24.5	321.1	22.8	169.4	132.5
Stop Delay (hr)	1.0	35.9	3.5	15.7	56.1
St Del/Veh (s)	22.7	310.7	18.7	169.7	127.9
Total Stops	159	1158	475	454	2246
Stop/Veh	1.01	2.78	0.71	1.36	1.42
Travel Dist (mi)	25.0	80.1	48.0	38.2	191.3
Travel Time (hr)	2.1	39.9	6.0	17.4	65.4
Avg Speed (mph)	12	2	8	2	3
Fuel Used (gal)	2.0	27.9	5.3	11.2	46.4
Fuel Eff. (mpg)	12.3	2.9	9.1	3.4	4.1
HC Emissions (g)	5	73	14	29	121
CO Emissions (g)	126	1046	323	436	1931
NOx Emissions (g)	14	143	39	60	257
Vehicles Entered	160	436	674	344	1614
Vehicles Exited	157	397	669	324	1547
Hourly Exit Rate	157	397	669	324	1547
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	1	0	0	1

3: School Street & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	2.9	24.7	0.5	28.2
Delay / Veh (s)	285.8	212.4	3.6	107.2
Stop Delay (hr)	2.9	23.4	0.0	26.4
St Del/Veh (s)	284.3	201.2	0.2	100.4
Total Stops	42	1005	2	1049
Stop/Veh	1.14	2.40	0.00	1.11
Travel Dist (mi)	4.4	63.2	102.7	170.3
Travel Time (hr)	3.1	26.9	4.0	34.1
Avg Speed (mph)	1	2	25	5
Fuel Used (gal)	1.7	17.7	8.3	27.7
Fuel Eff. (mpg)	2.6	3.6	12.4	6.1
HC Emissions (g)	5	46	20	71
CO Emissions (g)	73	682	786	1540
NOx Emissions (g)	7	92	68	167
Vehicles Entered	39	434	492	965
Vehicles Exited	35	404	489	928
Hourly Exit Rate	35	404	489	928
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

4: Agamenticus Road & Route 1 Performance by approach

Approach	EB	WB	NB	SB	All
Total Delay (hr)	7.5	0.8	20.7	0.4	29.5
Delay / Veh (s)	673.3	165.7	168.1	3.1	105.8
Stop Delay (hr)	7.5	0.8	19.2	0.0	27.5
St Del/Veh (s)	671.6	164.5	155.7	0.1	98.7
Total Stops	48	19	826	7	900
Stop/Veh	1.20	1.06	1.86	0.01	0.90
Travel Dist (mi)	7.9	3.3	62.7	77.0	150.9
Travel Time (hr)	7.8	1.0	22.6	3.1	34.5
Avg Speed (mph)	1	3	3	25	4
Fuel Used (gal)	4.4	0.6	15.5	3.4	23.9
Fuel Eff. (mpg)	1.8	5.9	4.0	22.6	6.3
HC Emissions (g)	13	1	40	8	62
CO Emissions (g)	199	24	628	148	998
NOx Emissions (g)	19	3	80	14	115
Vehicles Entered	49	19	458	503	1029
Vehicles Exited	31	17	430	499	977
Hourly Exit Rate	31	17	430	499	977
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	1	0	1

5: Bourne Lane & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	7.6	63.3	0.4	71.3
Delay / Veh (s)	334.6	443.7	2.6	236.4
Stop Delay (hr)	7.6	60.4	0.0	67.9
St Del/Veh (s)	331.7	422.8	0.2	225.2
Total Stops	117	1422	12	1551
Stop/Veh	1.43	2.77	0.02	1.43
Travel Dist (mi)	14.4	140.8	68.3	223.5
Travel Time (hr)	8.3	67.6	2.4	78.3
Avg Speed (mph)	2	4	28	5
Fuel Used (gal)	4.6	44.5	5.5	54.7
Fuel Eff. (mpg)	3.1	3.2	12.3	4.1
HC Emissions (g)	13	210	12	235
CO Emissions (g)	189	1573	533	2296
NOx Emissions (g)	20	165	39	223
Vehicles Entered	91	542	491	1124
Vehicles Exited	74	486	489	1049
Hourly Exit Rate	74	486	489	1049
Denied Entry Before	0	0	0	0
Denied Entry After	0	129	0	129

6: Shore Road & School Street Performance by approach

Approach	SE	NW	NE	All
Total Delay (hr)	0.1	5.0	0.2	5.3
Delay / Veh (s)	1.1	53.6	26.6	31.2
Stop Delay (hr)	0.0	4.9	0.2	5.1
St Del/Veh (s)	0.6	51.7	25.7	29.9
Total Stops	2	236	29	267
Stop/Veh	0.01	0.70	1.00	0.43
Travel Dist (mi)	30.9	40.0	4.7	75.7
Travel Time (hr)	1.5	6.7	0.4	8.6
Avg Speed (mph)	21	6	11	9
Fuel Used (gal)	3.0	5.4	0.4	8.9
Fuel Eff. (mpg)	10.3	7.4	10.7	8.5
HC Emissions (g)	9	14	1	24
CO Emissions (g)	362	301	45	708
NOx Emissions (g)	31	31	4	66
Vehicles Entered	247	347	30	624
Vehicles Exited	246	331	29	606
Hourly Exit Rate	246	331	29	606
Denied Entry Before	0	0	0	0
Denied Entry After	0	4	0	4

16: Captain Thomas Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	0.1	1.7	0.3	2.1
Delay / Veh (s)	9.5	10.2	1.8	6.0
Stop Delay (hr)	0.1	0.0	0.1	0.2
St Del/Veh (s)	8.7	0.1	0.4	0.5
Total Stops	37	10	0	47
Stop/Veh	1.00	0.02	0.00	0.04
Travel Dist (mi)	5.3	402.6	116.7	524.6
Travel Time (hr)	0.3	12.0	3.4	15.7
Avg Speed (mph)	17	33	36	34
Fuel Used (gal)	0.3	20.1	6.0	26.4
Fuel Eff. (mpg)	16.0	20.0	19.4	19.9
HC Emissions (g)	1	45	16	62
CO Emissions (g)	22	1365	668	2055
NOx Emissions (g)	2	111	41	154
Vehicles Entered	37	591	617	1245
Vehicles Exited	37	581	613	1231
Hourly Exit Rate	37	581	613	1231
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

Total Network Performance

Total Delay (hr)	199.7
Delay / Veh (s)	361.4
Stop Delay (hr)	184.0
St Del/Veh (s)	333.1
Total Stops	6237
Stop/Veh	3.14
Travel Dist (mi)	2414.0
Travel Time (hr)	274.7
Avg Speed (mph)	10
Fuel Used (gal)	249.3
Fuel Eff. (mpg)	9.7
HC Emissions (g)	725
CO Emissions (g)	14638
NOx Emissions (g)	1375
Vehicles Entered	2141
Vehicles Exited	1838
Hourly Exit Rate	1838
Denied Entry Before	0
Denied Entry After	135

Arterial Level of Service: NB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Bourne Lane	448.3	477.6	0.3	4
Obeds Lane	170.0	185.0	0.1	3
School Street	210.8	229.2	0.2	2
Shore Road	320.4	343.8	0.2	2
Berwick Road	4.3	14.7	0.1	19
Captain Thomas Road	10.0	73.6	0.7	35
Total	1163.9	1323.9	1.6	5

Arterial Level of Service: SB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Captain Thomas Road	1.9	19.6	0.2	37
Berwick Road	4.8	24.1	0.2	25
Shore Road	9.1	18.0	0.1	15
School Street	3.9	29.5	0.2	25
Agamenticus Road	3.1	21.9	0.2	25
Bourne Lane	2.4	17.4	0.1	29
Total	25.2	130.5	0.9	26

Arterial Level of Service: NW Shore Road

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
School Street	53.6	71.2	0.1	6
Beach Road	171.1	188.7	0.1	2
Total	224.7	259.9	0.2	3

Arterial Level of Service: SE Shore Road

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
School Street	0.7	19.7	0.1	22
Total	0.7	19.7	0.1	22

Arterial Level of Service: NE School Street

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Shore Road	32.4	64.1	0.2	10
Total	32.4	64.1	0.2	10

Arterial Level of Service: WB School Street

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Route 1	154.2	180.4	0.2	4
Total	154.2	180.4	0.2	4

Intersection: 1: Berwick Road & Route 1

Movement	EB	NB	SB	SB
Directions Served	LR	LT	T	TR
Maximum Queue (ft)	110	164	83	81
Average Queue (ft)	37	46	12	14
95th Queue (ft)	79	120	50	54
Link Distance (ft)	1149	319		802
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			100	
Storage Blk Time (%)			0.00	0.00
Queuing Penalty (veh)			0	0

Intersection: 2: Beach Road & Route 1

Movement	WB	WB	WB	NB	SB	SB	NW	NW
Directions Served	<	L	R	TR>	<L	T	R	>
Maximum Queue (ft)	76	89	74	1032	324	271	559	70
Average Queue (ft)	32	35	32	1008	138	91	452	49
95th Queue (ft)	64	70	63	1091	264	181	694	72
Link Distance (ft)		836		1000	319	319	562	
Upstream Blk Time (%)				0.59	0.02	0.00	0.30	
Queuing Penalty (veh)				369	5	1	110	
Storage Bay Dist (ft)	60		80					25
Storage Blk Time (%)	0.01	0.02	0.00				0.92	0.35
Queuing Penalty (veh)	1	2	0				97	91

Intersection: 3: School Street & Route 1

Movement	WB	WB	NB	SB	SB
Directions Served	L	R	TR	L	T
Maximum Queue (ft)	266	51	770	32	6
Average Queue (ft)	76	28	705	2	0
95th Queue (ft)	213	57	978	15	4
Link Distance (ft)	911		741		1000
Upstream Blk Time (%)			0.54		
Queuing Penalty (veh)			345		
Storage Bay Dist (ft)		25		300	
Storage Blk Time (%)	0.05	0.63			
Queuing Penalty (veh)	1	13			

Intersection: 4: Agamenticus Road & Route 1

Movement	EB	WB	NB	NB	SB	SB
Directions Served	LTR	LTR	L	TR	L	TR
Maximum Queue (ft)	525	102	325	712	29	64
Average Queue (ft)	198	30	28	564	3	3
95th Queue (ft)	550	81	173	978	16	33
Link Distance (ft)	971	928		674		741
Upstream Blk Time (%)				0.46		
Queuing Penalty (veh)				290		
Storage Bay Dist (ft)			300		300	
Storage Blk Time (%)				0.67		
Queuing Penalty (veh)				9		

Intersection: 5: Bourne Lane & Route 1

Movement	WB	WB	NB	SB
Directions Served	L	R	TR	L
Maximum Queue (ft)	605	82	1484	45
Average Queue (ft)	201	46	919	11
95th Queue (ft)	583	84	2001	36
Link Distance (ft)	893		1450	
Upstream Blk Time (%)			0.41	
Queuing Penalty (veh)			0	
Storage Bay Dist (ft)		45		200
Storage Blk Time (%)	0.06	0.51		
Queuing Penalty (veh)	2	30		

Intersection: 6: Shore Road & School Street

Movement	SE	NW	NE
Directions Served	TR	LT	LR
Maximum Queue (ft)	31	505	69
Average Queue (ft)	2	164	26
95th Queue (ft)	16	502	57
Link Distance (ft)	562	622	911
Upstream Blk Time (%)		0.03	
Queuing Penalty (veh)		0	
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 16: Captain Thomas Road & Route 1

Movement	EB	NB	SB
Directions Served	LR	L	TR
Maximum Queue (ft)	55	39	6
Average Queue (ft)	20	9	0
95th Queue (ft)	45	32	5
Link Distance (ft)	740		1001
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		100	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Nework Summary

Network wide Queuing Penalty: 1367

Summary of All Intervals

Run Number	1	2	3	4	5	Avg
Start Time	12:35	12:35	12:35	12:35	12:35	12:35
End Time	1:45	1:45	1:45	1:45	1:45	1:45
Total Time (min)	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60
# of Intervals	2	2	2	2	2	2
# of Recorded Intvls	1	1	1	1	1	1
Vehs Entered	3479	3580	3477	3560	3504	3519
Vehs Exited	3468	3574	3500	3538	3496	3515
Starting Vehs	0	0	0	0	0	0
Ending Vehs	83	88	88	99	101	90
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	2	0	0	1	1	0
Travel Distance (mi)	2483	2605	2523	2591	2540	2548
Travel Time (hr)	87.5	91.6	88.0	92.1	89.4	89.7
Total Delay (hr)	12.3	14.0	12.6	14.1	13.5	13.3
Total Stops	541	559	511	585	604	557
Fuel Used (gal)	138.0	146.2	136.8	146.1	140.8	141.6

Interval #0 Information Seeding

Start Time	12:35
End Time	12:45
Total Time (min)	10

Volumes adjusted by Growth Factors.

No data recorded this interval.

Interval #1 Information Recording

Start Time	12:45
End Time	1:45
Total Time (min)	60

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	Avg
Vehs Entered	3479	3580	3477	3560	3504	3519
Vehs Exited	3468	3574	3500	3538	3496	3515
Starting Vehs	0	0	0	0	0	0
Ending Vehs	83	88	88	99	101	90
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	2	0	0	1	1	0
Travel Distance (mi)	2483	2605	2523	2591	2540	2548
Travel Time (hr)	87.5	91.6	88.0	92.1	89.4	89.7
Total Delay (hr)	12.3	14.0	12.6	14.1	13.5	13.3
Total Stops	541	559	511	585	604	557
Fuel Used (gal)	138.0	146.2	136.8	146.1	140.8	141.6

1: Berwick Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	0.7	1.0	0.7	2.4
Delay / Veh (s)	33.9	4.4	4.2	5.7
Stop Delay (hr)	0.7	0.7	0.0	1.4
St Del/Veh (s)	32.9	3.1	0.2	3.3
Total Stops	72	142	16	230
Stop/Veh	1.00	0.17	0.03	0.15
Travel Dist (mi)	15.8	24.8	99.9	140.6
Travel Time (hr)	1.4	1.9	4.2	7.5
Avg Speed (mph)	12	15	24	20
Fuel Used (gal)	1.1	2.5	5.1	8.8
Fuel Eff. (mpg)	13.8	10.0	19.4	16.0
HC Emissions (g)	3	6	12	22
CO Emissions (g)	72	148	321	541
NOx Emissions (g)	7	17	25	50
Vehicles Entered	73	816	632	1521
Vehicles Exited	71	815	631	1517
Hourly Exit Rate	71	815	631	1517
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

2: Beach Road & Route 1 Performance by approach

Approach	NB	SB	NW	All
Total Delay (hr)	0.3	0.1	0.1	0.5
Delay / Veh (s)	1.8	0.5	0.6	1.0
Stop Delay (hr)	0.0	0.0	0.0	0.0
St Del/Veh (s)	0.0	0.0	0.0	0.0
Total Stops	0	0	0	0
Stop/Veh	0.00	0.00	0.00	0.00
Travel Dist (mi)	67.6	26.7	22.6	116.9
Travel Time (hr)	2.7	1.0	1.0	4.7
Avg Speed (mph)	25	26	23	25
Fuel Used (gal)	5.4	4.1	1.6	11.1
Fuel Eff. (mpg)	12.5	6.5	14.6	10.6
HC Emissions (g)	13	10	4	27
CO Emissions (g)	576	643	152	1371
NOx Emissions (g)	35	34	11	81
Vehicles Entered	627	638	360	1625
Vehicles Exited	623	637	359	1619
Hourly Exit Rate	623	637	359	1619
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

3: School Street & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	0.1	0.5	0.2	0.8
Delay / Veh (s)	13.7	2.7	1.2	2.5
Stop Delay (hr)	0.1	0.0	0.1	0.2
St Del/Veh (s)	13.1	0.0	0.7	0.7
Total Stops	38	0	5	43
Stop/Veh	1.00	0.00	0.01	0.04
Travel Dist (mi)	4.5	96.2	47.6	148.3
Travel Time (hr)	0.4	3.8	1.8	6.0
Avg Speed (mph)	14	25	27	25
Fuel Used (gal)	0.3	4.3	3.0	7.6
Fuel Eff. (mpg)	13.5	22.2	16.1	19.4
HC Emissions (g)	1	10	6	17
CO Emissions (g)	29	195	204	428
NOx Emissions (g)	2	18	14	34
Vehicles Entered	38	635	497	1170
Vehicles Exited	38	631	495	1164
Hourly Exit Rate	38	631	495	1164
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

4: Agamenticus Road & Route 1 Performance by approach

Approach	EB	WB	NB	SB	All
Total Delay (hr)	0.2	0.1	0.5	0.3	1.0
Delay / Veh (s)	13.0	12.2	2.7	2.1	3.0
Stop Delay (hr)	0.2	0.1	0.0	0.0	0.2
St Del/Veh (s)	11.9	11.1	0.1	0.2	0.7
Total Stops	47	18	8	11	84
Stop/Veh	1.00	1.00	0.01	0.02	0.07
Travel Dist (mi)	8.6	3.2	89.7	77.8	179.4
Travel Time (hr)	0.5	0.2	3.2	3.0	6.9
Avg Speed (mph)	17	16	28	26	26
Fuel Used (gal)	0.5	0.2	6.7	3.5	10.9
Fuel Eff. (mpg)	16.1	18.9	13.3	22.4	16.5
HC Emissions (g)	1	0	14	8	24
CO Emissions (g)	33	8	498	150	689
NOx Emissions (g)	3	1	41	15	59
Vehicles Entered	47	18	636	509	1210
Vehicles Exited	47	18	634	505	1204
Hourly Exit Rate	47	18	634	505	1204
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0

5: Bourne Lane & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	0.4	0.9	0.3	1.6
Delay / Veh (s)	16.8	4.6	2.1	4.4
Stop Delay (hr)	0.3	0.1	0.0	0.5
St Del/Veh (s)	15.3	0.7	0.3	1.5
Total Stops	79	0	17	96
Stop/Veh	0.99	0.00	0.03	0.08
Travel Dist (mi)	13.4	190.5	70.2	274.1
Travel Time (hr)	0.9	6.7	2.4	10.0
Avg Speed (mph)	15	29	29	28
Fuel Used (gal)	1.0	9.8	5.5	16.4
Fuel Eff. (mpg)	13.2	19.4	12.7	16.8
HC Emissions (g)	2	23	13	38
CO Emissions (g)	55	641	610	1306
NOx Emissions (g)	6	46	41	93
Vehicles Entered	80	697	504	1281
Vehicles Exited	80	691	502	1273
Hourly Exit Rate	80	691	502	1273
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

6: Shore Road & School Street Performance by approach

Approach	SE	NW	NE	All
Total Delay (hr)	0.0	0.1	0.1	0.3
Delay / Veh (s)	0.5	1.3	7.2	1.4
Stop Delay (hr)	0.0	0.0	0.1	0.1
St Del/Veh (s)	0.3	0.4	5.9	0.7
Total Stops	4	15	41	60
Stop/Veh	0.02	0.04	1.00	0.09
Travel Dist (mi)	13.6	41.2	7.0	61.8
Travel Time (hr)	0.6	1.8	0.4	2.8
Avg Speed (mph)	23	23	17	22
Fuel Used (gal)	0.8	2.4	0.6	3.7
Fuel Eff. (mpg)	17.8	17.2	12.2	16.5
HC Emissions (g)	2	5	2	9
CO Emissions (g)	50	156	62	268
NOx Emissions (g)	4	12	5	21
Vehicles Entered	253	351	41	645
Vehicles Exited	253	349	41	643
Hourly Exit Rate	253	349	41	643
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

16: Captain Thomas Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	0.1	2.7	0.3	3.1
Delay / Veh (s)	10.9	12.1	1.9	7.8
Stop Delay (hr)	0.1	0.0	0.1	0.2
St Del/Veh (s)	10.2	0.1	0.5	0.5
Total Stops	33	10	1	44
Stop/Veh	1.00	0.01	0.00	0.03
Travel Dist (mi)	4.8	554.2	114.4	673.3
Travel Time (hr)	0.3	17.0	3.3	20.6
Avg Speed (mph)	17	33	35	33
Fuel Used (gal)	0.4	26.9	6.2	33.4
Fuel Eff. (mpg)	13.3	20.6	18.4	20.1
HC Emissions (g)	1	60	16	76
CO Emissions (g)	19	1545	670	2234
NOx Emissions (g)	2	146	42	190
Vehicles Entered	33	815	605	1453
Vehicles Exited	33	798	601	1432
Hourly Exit Rate	33	798	601	1432
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

Total Network Performance

Total Delay (hr)	13.3
Delay / Veh (s)	13.4
Stop Delay (hr)	2.8
St Del/Veh (s)	2.8
Total Stops	557
Stop/Veh	0.16
Travel Dist (mi)	2548.3
Travel Time (hr)	89.7
Avg Speed (mph)	29
Fuel Used (gal)	141.6
Fuel Eff. (mpg)	18.0
HC Emissions (g)	332
CO Emissions (g)	10737
NOx Emissions (g)	806
Vehicles Entered	3605
Vehicles Exited	3515
Hourly Exit Rate	3515
Denied Entry Before	0
Denied Entry After	0

Arterial Level of Service: NB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Bourne Lane	4.8	34.3	0.3	30
Obeds Lane	2.7	17.7	0.1	29
School Street	2.8	21.5	0.2	25
Berwick Road	4.1	8.3	0.1	40
Captain Thomas Road	12.0	75.6	0.7	34
Total	26.4	157.4	1.4	32

Arterial Level of Service: SB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Captain Thomas Road	1.9	19.6	0.2	37
Berwick Road	4.3	23.7	0.2	25
School Street	1.1	13.0	0.2	60
Agamenticus Road	2.0	20.9	0.2	26
Bourne Lane	1.9	17.0	0.1	30
Total	11.2	94.2	0.9	33

Arterial Level of Service: NW Shore Road

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
School Street	1.3	18.5	0.1	24
Total	1.3	18.5	0.1	24

Arterial Level of Service: SE Shore Road

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
School Street	0.5	8.4	0.1	54
Total	0.5	8.4	0.1	54

Arterial Level of Service: NE School Street

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Shore Road	9.1	38.3	0.2	17
Total	9.1	38.3	0.2	17

Arterial Level of Service: WB School Street

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Route 1	13.5	46.2	0.2	15
Total	13.5	46.2	0.2	15

Intersection: 1: Berwick Road & Route 1

Movement	EB	NB	SB	SB
Directions Served	LR	LT	T	TR
Maximum Queue (ft)	148	184	36	66
Average Queue (ft)	43	84	3	11
95th Queue (ft)	102	191	18	43
Link Distance (ft)	1149			802
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			100	
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 2: Beach Road & Route 1

Movement
Directions Served
Maximum Queue (ft)
Average Queue (ft)
95th Queue (ft)
Link Distance (ft)
Upstream Blk Time (%)
Queuing Penalty (veh)
Storage Bay Dist (ft)
Storage Blk Time (%)
Queuing Penalty (veh)

Intersection: 3: School Street & Route 1

Movement	WB	WB	NB	SB	SB
Directions Served	L	R	TR	L	T
Maximum Queue (ft)	54	46	8	32	11
Average Queue (ft)	13	17	0	5	0
95th Queue (ft)	40	47	4	23	8
Link Distance (ft)	911		741		
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		25		300	
Storage Blk Time (%)	0.07	0.04			
Queuing Penalty (veh)	1	1			

Intersection: 4: Agamenticus Road & Route 1

Movement	EB	WB	NB	NB	SB	SB
Directions Served	LTR	LTR	L	TR	L	TR
Maximum Queue (ft)	74	38	24	26	27	56
Average Queue (ft)	27	13	3	2	4	5
95th Queue (ft)	59	37	17	17	20	31
Link Distance (ft)	971	928		674		741
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)			300		300	
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 5: Bourne Lane & Route 1

Movement	WB	WB	NB	SB
Directions Served	L	R	TR	L
Maximum Queue (ft)	81	74	9	44
Average Queue (ft)	35	22	0	14
95th Queue (ft)	68	58	4	39
Link Distance (ft)	893		1450	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		45		200
Storage Blk Time (%)	0.07	0.01		
Queuing Penalty (veh)	2	1		

Intersection: 6: Shore Road & School Street

Movement	SE	NW	NE
Directions Served	TR	LT	LR
Maximum Queue (ft)	44	72	57
Average Queue (ft)	4	12	25
95th Queue (ft)	23	47	53
Link Distance (ft)		622	911
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 16: Captain Thomas Road & Route 1

Movement	EB	NB	NB	SB
Directions Served	LR	L	T	TR
Maximum Queue (ft)	55	40	17	11
Average Queue (ft)	19	8	1	1
95th Queue (ft)	45	30	10	10
Link Distance (ft)	740		3702	1001
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		100		
Storage Blk Time (%)				
Queuing Penalty (veh)				

Nework Summary

Network wide Queuing Penalty: 4

Summary of All Intervals

Run Number	1	2	3	4	5	Avg
Start Time	12:35	12:35	12:35	12:35	12:35	12:35
End Time	1:45	1:45	1:45	1:45	1:45	1:45
Total Time (min)	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60
# of Intervals	2	2	2	2	2	2
# of Recorded Intvls	1	1	1	1	1	1
Vehs Entered	2106	1652	1998	824	1198	1556
Vehs Exited	1752	1138	1524	286	674	1075
Starting Vehs	0	0	0	0	0	0
Ending Vehs	576	723	694	769	752	702
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	690	1195	820	1950	1605	1252
Travel Distance (mi)	2354	1582	2121	432	996	1497
Travel Time (hr)	590.8	826.9	687.0	1367.1	1073.8	909.1
Total Delay (hr)	517.8	777.9	622.5	1353.7	1043.1	863.0
Total Stops	7359	6152	7686	1356	3695	5251
Fuel Used (gal)	434.4	524.8	475.0	788.8	643.2	573.2

Interval #0 Information Seeding

Start Time	12:35
End Time	12:45
Total Time (min)	10

Volumes adjusted by Growth Factors.

No data recorded this interval.

Interval #1 Information Recording

Start Time	12:45
End Time	1:45
Total Time (min)	60

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	Avg
Vehs Entered	2106	1652	1998	824	1198	1556
Vehs Exited	1752	1138	1524	286	674	1075
Starting Vehs	0	0	0	0	0	0
Ending Vehs	576	723	694	769	752	702
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	690	1195	820	1950	1605	1252
Travel Distance (mi)	2354	1582	2121	432	996	1497
Travel Time (hr)	590.8	826.9	687.0	1367.1	1073.8	909.1
Total Delay (hr)	517.8	777.9	622.5	1353.7	1043.1	863.0
Total Stops	7359	6152	7686	1356	3695	5251
Fuel Used (gal)	434.4	524.8	475.0	788.8	643.2	573.2

1: Berwick Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	23.7	8.1	36.5	68.3
Delay / Veh (s)	1310.3	100.9	328.6	325.2
Stop Delay (hr)	23.6	7.8	35.2	66.7
St Del/Veh (s)	1309.0	97.3	316.9	317.6
Total Stops	88	94	440	622
Stop/Veh	1.35	0.32	1.10	0.82
Travel Dist (mi)	14.4	23.4	63.3	101.1
Travel Time (hr)	24.3	9.1	38.7	72.0
Avg Speed (mph)	1	3	2	2
Fuel Used (gal)	12.8	7.2	22.9	42.9
Fuel Eff. (mpg)	1.1	3.3	2.8	2.4
HC Emissions (g)	38	20	75	133
CO Emissions (g)	426	514	724	1664
NOx Emissions (g)	45	52	75	172
Vehicles Entered	88	297	421	806
Vehicles Exited	43	283	380	706
Hourly Exit Rate	43	283	380	706
Denied Entry Before	0	0	0	0
Denied Entry After	19	0	29	48

2: Beach Road & Route 1 Performance by approach

Approach	WB	NB	SB	NW	All
Total Delay (hr)	33.5	41.3	6.4	23.8	105.0
Delay / Veh (s)	854.8	664.0	57.9	550.3	411.5
Stop Delay (hr)	33.4	40.4	6.0	23.9	103.7
St Del/Veh (s)	852.3	649.1	54.5	551.8	406.2
Total Stops	166	726	280	222	1394
Stop/Veh	1.18	3.24	0.70	1.42	1.52
Travel Dist (mi)	22.0	41.1	28.1	16.7	107.9
Travel Time (hr)	34.4	42.7	7.4	24.6	109.2
Avg Speed (mph)	1	1	4	1	1
Fuel Used (gal)	20.3	24.4	5.6	13.3	63.7
Fuel Eff. (mpg)	1.1	1.7	5.0	1.3	1.7
HC Emissions (g)	72	61	15	33	181
CO Emissions (g)	654	761	280	418	2113
NOx Emissions (g)	54	96	38	53	241
Vehicles Entered	159	247	398	169	973
Vehicles Exited	124	201	398	143	866
Hourly Exit Rate	124	201	398	143	866
Denied Entry Before	0	0	0	0	0
Denied Entry After	68	1	0	0	69

3: School Street & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	8.9	30.2	0.3	39.4
Delay / Veh (s)	1236.1	487.2	4.0	255.4
Stop Delay (hr)	8.9	29.3	0.0	38.2
St Del/Veh (s)	1234.4	473.1	0.2	247.6
Total Stops	34	596	2	632
Stop/Veh	1.31	2.67	0.01	1.14
Travel Dist (mi)	2.9	31.8	64.3	99.0
Travel Time (hr)	9.1	31.3	2.6	42.9
Avg Speed (mph)	0	1	25	2
Fuel Used (gal)	4.6	17.4	5.3	27.3
Fuel Eff. (mpg)	0.6	1.8	12.0	3.6
HC Emissions (g)	13	45	12	70
CO Emissions (g)	137	560	453	1151
NOx Emissions (g)	13	69	41	123
Vehicles Entered	33	240	307	580
Vehicles Exited	19	206	307	532
Hourly Exit Rate	19	206	307	532
Denied Entry Before	0	0	0	0
Denied Entry After	7	0	0	7

4: Agamenticus Road & Route 1 Performance by approach

Approach	EB	WB	NB	SB	All
Total Delay (hr)	25.9	6.8	27.7	0.3	60.7
Delay / Veh (s)	2519.7	1634.8	431.5	3.3	364.1
Stop Delay (hr)	25.9	6.8	26.6	0.0	59.3
St Del/Veh (s)	2516.0	1631.6	414.7	0.1	355.6
Total Stops	63	25	569	4	661
Stop/Veh	1.70	1.67	2.46	0.01	1.10
Travel Dist (mi)	6.9	3.6	32.3	48.5	91.4
Travel Time (hr)	26.2	7.0	28.7	2.0	63.8
Avg Speed (mph)	0	1	1	25	1
Fuel Used (gal)	13.3	3.4	18.0	2.1	36.9
Fuel Eff. (mpg)	0.5	1.1	1.8	22.9	2.5
HC Emissions (g)	39	9	46	5	99
CO Emissions (g)	447	111	552	88	1198
NOx Emissions (g)	43	11	71	8	133
Vehicles Entered	58	24	246	316	644
Vehicles Exited	17	7	216	316	556
Hourly Exit Rate	17	7	216	316	556
Denied Entry Before	0	0	0	0	0
Denied Entry After	12	0	2	0	14

5: Bourne Lane & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	21.6	272.8	0.3	294.7
Delay / Veh (s)	1146.1	3374.9	2.9	1578.8
Stop Delay (hr)	21.6	270.5	0.0	292.1
St Del/Veh (s)	1144.3	3345.9	0.3	1564.8
Total Stops	95	1067	7	1169
Stop/Veh	1.40	3.67	0.02	1.74
Travel Dist (mi)	11.1	79.0	43.5	133.6
Travel Time (hr)	22.1	275.2	1.6	298.9
Avg Speed (mph)	1	1	28	2
Fuel Used (gal)	11.8	168.3	3.5	183.6
Fuel Eff. (mpg)	0.9	0.5	12.6	0.7
HC Emissions (g)	34	1111	8	1153
CO Emissions (g)	375	4777	332	5485
NOx Emissions (g)	41	447	25	512
Vehicles Entered	86	324	313	723
Vehicles Exited	50	258	313	621
Hourly Exit Rate	50	258	313	621
Denied Entry Before	0	0	0	0
Denied Entry After	21	579	0	600

6: Shore Road & School Street Performance by approach

Approach	SE	NW	NE	All
Total Delay (hr)	0.1	139.7	3.4	143.1
Delay / Veh (s)	1.3	3308.5	577.2	1547.2
Stop Delay (hr)	0.0	139.6	3.4	143.0
St Del/Veh (s)	0.6	3307.0	576.8	1546.1
Total Stops	1	310	23	334
Stop/Veh	0.01	2.04	1.10	1.00
Travel Dist (mi)	19.9	17.2	3.0	40.1
Travel Time (hr)	1.0	140.4	3.5	144.9
Avg Speed (mph)	21	1	1	1
Fuel Used (gal)	2.0	86.8	2.0	90.8
Fuel Eff. (mpg)	9.7	0.2	1.6	0.4
HC Emissions (g)	6	351	6	362
CO Emissions (g)	231	2549	82	2862
NOx Emissions (g)	20	183	9	212
Vehicles Entered	159	167	25	351
Vehicles Exited	159	138	18	315
Hourly Exit Rate	159	138	18	315
Denied Entry Before	0	0	0	0
Denied Entry After	0	286	0	286

16: Captain Thomas Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	5.5	0.9	70.7	77.1
Delay / Veh (s)	522.6	10.7	449.1	305.9
Stop Delay (hr)	5.5	0.0	70.3	75.9
St Del/Veh (s)	520.9	0.1	446.6	300.7
Total Stops	46	5	38	89
Stop/Veh	1.21	0.02	0.07	0.10
Travel Dist (mi)	5.7	204.8	107.3	317.7
Travel Time (hr)	5.7	6.2	73.6	85.5
Avg Speed (mph)	1	33	6	11
Fuel Used (gal)	3.2	10.1	49.0	62.3
Fuel Eff. (mpg)	1.8	20.2	2.2	5.1
HC Emissions (g)	10	22	334	365
CO Emissions (g)	122	638	1715	2475
NOx Emissions (g)	11	53	136	200
Vehicles Entered	47	303	586	936
Vehicles Exited	30	303	548	881
Hourly Exit Rate	30	303	548	881
Denied Entry Before	0	0	0	0
Denied Entry After	3	0	225	228

Total Network Performance

Total Delay (hr)	863.0
Delay / Veh (s)	2178.7
Stop Delay (hr)	850.1
St Del/Veh (s)	2146.1
Total Stops	5251
Stop/Veh	3.68
Travel Dist (mi)	1497.2
Travel Time (hr)	909.1
Avg Speed (mph)	3
Fuel Used (gal)	573.2
Fuel Eff. (mpg)	2.6
HC Emissions (g)	2525
CO Emissions (g)	20128
NOx Emissions (g)	1854
Vehicles Entered	1777
Vehicles Exited	1075
Hourly Exit Rate	1075
Denied Entry Before	0
Denied Entry After	1252

Arterial Level of Service: NB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Bourne Lane	3398.8	3427.8	0.3	1
Obeds Lane	427.1	441.8	0.1	1
School Street	484.0	501.5	0.2	1
Shore Road	672.7	695.3	0.2	1
Berwick Road	91.7	102.2	0.1	3
Captain Thomas Road	10.6	73.3	0.7	35
Total	5084.9	5241.8	1.6	2

Arterial Level of Service: SB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Captain Thomas Road	460.9	478.7	0.2	6
Berwick Road	326.9	346.3	0.2	2
Shore Road	11.5	20.2	0.1	13
School Street	4.4	30.0	0.2	25
Agamenticus Road	3.4	22.2	0.2	25
Bourne Lane	2.7	17.6	0.1	29
Total	809.8	915.0	0.9	7

Arterial Level of Service: NW Shore Road

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
School Street	3310.7	3327.6	0.1	1
Beach Road	540.5	557.0	0.1	1
Total	3851.3	3884.6	0.2	1

Arterial Level of Service: SE Shore Road

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
School Street	0.8	21.6	0.1	20
Total	0.8	21.6	0.1	20

Intersection: 1: Berwick Road & Route 1

Movement	EB	NB	SB	SB	B9
Directions Served	LR	LT	T	TR	T
Maximum Queue (ft)	970	331	135	875	3659
Average Queue (ft)	471	225	95	638	1688
95th Queue (ft)	1146	431	158	1206	4439
Link Distance (ft)	1149	319		802	3702
Upstream Blk Time (%)	0.14	0.50		0.58	0.34
Queuing Penalty (veh)	0	535		465	269
Storage Bay Dist (ft)			100		
Storage Blk Time (%)			0.71	0.45	
Queuing Penalty (veh)			317	184	

Intersection: 2: Beach Road & Route 1

Movement	WB	WB	WB	NB	SB	SB	NW	NW
Directions Served	<	L	R	TR>	<L	T	R	>
Maximum Queue (ft)	89	800	111	1026	372	390	584	62
Average Queue (ft)	27	373	72	1009	167	118	569	25
95th Queue (ft)	77	969	129	1025	441	365	581	68
Link Distance (ft)		836		1000	319	319	562	
Upstream Blk Time (%)		0.32		0.81	0.25	0.01	0.84	
Queuing Penalty (veh)		0		662	108	6	398	
Storage Bay Dist (ft)	60		80					25
Storage Blk Time (%)	0.05	0.07	0.47				0.97	0.17
Queuing Penalty (veh)	7	10	70				133	59

Intersection: 3: School Street & Route 1

Movement	WB	WB	NB	SB
Directions Served	L	R	TR	L
Maximum Queue (ft)	338	51	769	25
Average Queue (ft)	175	35	751	2
95th Queue (ft)	448	55	771	13
Link Distance (ft)	911		741	
Upstream Blk Time (%)			0.81	
Queuing Penalty (veh)			667	
Storage Bay Dist (ft)		25		300
Storage Blk Time (%)	0.03	0.83		
Queuing Penalty (veh)	1	23		

Intersection: 4: Agamenticus Road & Route 1

Movement	EB	WB	NB	NB	SB	SB
Directions Served	LTR	LTR	L	TR	L	TR
Maximum Queue (ft)	935	381	152	701	16	32
Average Queue (ft)	577	158	14	667	1	2
95th Queue (ft)	1091	404	121	805	8	17
Link Distance (ft)	971	928		674		741
Upstream Blk Time (%)	0.18			0.76		
Queuing Penalty (veh)	0			631		
Storage Bay Dist (ft)			300		300	
Storage Blk Time (%)				0.87		
Queuing Penalty (veh)				15		

Intersection: 5: Bourne Lane & Route 1

Movement	WB	WB	NB	SB
Directions Served	L	R	TR	L
Maximum Queue (ft)	824	78	1480	40
Average Queue (ft)	424	54	1316	6
95th Queue (ft)	1003	83	1947	28
Link Distance (ft)	893		1450	
Upstream Blk Time (%)	0.23		0.76	
Queuing Penalty (veh)	0		0	
Storage Bay Dist (ft)		45		200
Storage Blk Time (%)	0.06	0.80		
Queuing Penalty (veh)	2	60		

Intersection: 6: Shore Road & School Street

Movement	SE	NW	NE
Directions Served	TR	LT	LR
Maximum Queue (ft)	27	652	211
Average Queue (ft)	1	616	96
95th Queue (ft)	12	740	234
Link Distance (ft)	562	622	911
Upstream Blk Time (%)		0.88	
Queuing Penalty (veh)		0	
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 16: Captain Thomas Road & Route 1

Movement	EB	NB	SB
Directions Served	LR	L	TR
Maximum Queue (ft)	387	36	811
Average Queue (ft)	133	5	330
95th Queue (ft)	481	23	1088
Link Distance (ft)	740		1001
Upstream Blk Time (%)	0.04		0.29
Queuing Penalty (veh)	0		0
Storage Bay Dist (ft)		100	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Nework Summary

Network wide Queuing Penalty: 4622

Summary of All Intervals

Run Number	1	2	3	4	5	Avg
Start Time	12:35	12:35	12:35	12:35	12:35	12:35
End Time	1:45	1:45	1:45	1:45	1:45	1:45
Total Time (min)	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60
# of Intervals	2	2	2	2	2	2
# of Recorded Intvls	1	1	1	1	1	1
Vehs Entered	4645	4783	4588	4592	4534	4626
Vehs Exited	4593	4741	4552	4587	4558	4606
Starting Vehs	0	0	0	0	0	0
Ending Vehs	166	167	158	133	112	143
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	4	12	6	15	1	7
Travel Distance (mi)	3313	3447	3306	3298	3292	3331
Travel Time (hr)	141.0	145.9	148.2	137.8	130.5	140.7
Total Delay (hr)	41.7	42.5	49.4	38.4	31.6	40.7
Total Stops	1024	982	993	982	852	964
Fuel Used (gal)	201.1	206.4	207.6	205.2	189.9	202.0

Interval #0 Information Seeding

Start Time	12:35
End Time	12:45
Total Time (min)	10

Volumes adjusted by Growth Factors.

No data recorded this interval.

Interval #1 Information Recording

Start Time	12:45
End Time	1:45
Total Time (min)	60

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	Avg
Vehs Entered	4645	4783	4588	4592	4534	4626
Vehs Exited	4593	4741	4552	4587	4558	4606
Starting Vehs	0	0	0	0	0	0
Ending Vehs	166	167	158	133	112	143
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	4	12	6	15	1	7
Travel Distance (mi)	3313	3447	3306	3298	3292	3331
Travel Time (hr)	141.0	145.9	148.2	137.8	130.5	140.7
Total Delay (hr)	41.7	42.5	49.4	38.4	31.6	40.7
Total Stops	1024	982	993	982	852	964
Fuel Used (gal)	201.1	206.4	207.6	205.2	189.9	202.0

1: Berwick Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	13.8	7.3	1.3	22.4
Delay / Veh (s)	495.6	25.3	5.4	40.1
Stop Delay (hr)	13.8	6.5	0.1	20.3
St Del/Veh (s)	495.7	22.3	0.5	36.5
Total Stops	115	346	30	491
Stop/Veh	1.15	0.33	0.03	0.24
Travel Dist (mi)	21.6	31.8	136.2	189.6
Travel Time (hr)	14.7	8.5	6.0	29.2
Avg Speed (mph)	1	9	23	8
Fuel Used (gal)	8.5	7.2	7.3	23.0
Fuel Eff. (mpg)	2.5	4.4	18.7	8.2
HC Emissions (g)	22	28	18	68
CO Emissions (g)	340	259	493	1092
NOx Emissions (g)	39	34	40	112
Vehicles Entered	114	1046	867	2027
Vehicles Exited	87	1043	862	1992
Hourly Exit Rate	87	1043	862	1992
Denied Entry Before	0	0	0	0
Denied Entry After	0	7	0	7

2: Beach Road & Route 1 Performance by approach

Approach	NB	SB	NW	All
Total Delay (hr)	0.5	0.1	0.1	0.7
Delay / Veh (s)	2.1	0.5	0.7	1.1
Stop Delay (hr)	0.0	0.0	0.0	0.0
St Del/Veh (s)	0.0	0.0	0.0	0.0
Total Stops	0	0	0	0
Stop/Veh	0.00	0.00	0.00	0.00
Travel Dist (mi)	88.0	36.3	29.2	153.5
Travel Time (hr)	3.5	1.4	1.3	6.2
Avg Speed (mph)	25	26	23	25
Fuel Used (gal)	7.1	6.1	2.1	15.2
Fuel Eff. (mpg)	12.5	5.9	14.2	10.1
HC Emissions (g)	18	15	5	37
CO Emissions (g)	806	889	213	1907
NOx Emissions (g)	49	50	15	115
Vehicles Entered	815	866	464	2145
Vehicles Exited	811	865	462	2138
Hourly Exit Rate	811	865	462	2138
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

3: School Street & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	0.2	0.7	0.3	1.3
Delay / Veh (s)	17.2	3.2	1.6	3.0
Stop Delay (hr)	0.2	0.0	0.1	0.4
St Del/Veh (s)	16.5	0.0	0.8	0.9
Total Stops	51	0	8	59
Stop/Veh	0.98	0.00	0.01	0.04
Travel Dist (mi)	5.8	124.9	62.3	193.0
Travel Time (hr)	0.5	5.0	2.4	8.0
Avg Speed (mph)	12	25	27	25
Fuel Used (gal)	0.5	5.9	3.6	10.0
Fuel Eff. (mpg)	12.3	21.1	17.5	19.4
HC Emissions (g)	1	14	8	24
CO Emissions (g)	43	270	274	587
NOx Emissions (g)	4	26	18	48
Vehicles Entered	52	825	648	1525
Vehicles Exited	52	821	647	1520
Hourly Exit Rate	52	821	647	1520
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

4: Agamenticus Road & Route 1 Performance by approach

Approach	EB	WB	NB	SB	All
Total Delay (hr)	0.3	0.1	0.8	0.5	1.7
Delay / Veh (s)	17.7	24.2	3.4	2.7	3.9
Stop Delay (hr)	0.3	0.1	0.0	0.0	0.5
St Del/Veh (s)	16.5	23.0	0.1	0.2	1.1
Total Stops	66	20	15	14	115
Stop/Veh	1.00	1.05	0.02	0.02	0.07
Travel Dist (mi)	12.3	3.5	117.1	102.3	235.2
Travel Time (hr)	0.8	0.3	4.3	4.0	9.4
Avg Speed (mph)	16	13	27	25	25
Fuel Used (gal)	1.0	0.2	9.4	4.6	15.2
Fuel Eff. (mpg)	12.7	15.5	12.4	22.3	15.5
HC Emissions (g)	2	1	20	11	34
CO Emissions (g)	76	12	708	199	996
NOx Emissions (g)	6	2	63	19	90
Vehicles Entered	66	19	831	666	1582
Vehicles Exited	66	19	827	664	1576
Hourly Exit Rate	66	19	827	664	1576
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0

5: Bourne Lane & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	1.3	1.6	0.5	3.4
Delay / Veh (s)	40.4	6.5	2.8	7.3
Stop Delay (hr)	1.2	0.3	0.1	1.6
St Del/Veh (s)	38.9	1.0	0.5	3.3
Total Stops	113	2	26	141
Stop/Veh	1.01	0.00	0.04	0.08
Travel Dist (mi)	18.7	247.7	93.2	359.6
Travel Time (hr)	2.1	9.1	3.4	14.6
Avg Speed (mph)	9	28	28	25
Fuel Used (gal)	2.0	11.7	7.5	21.2
Fuel Eff. (mpg)	9.6	21.2	12.4	17.0
HC Emissions (g)	5	28	17	50
CO Emissions (g)	110	691	701	1503
NOx Emissions (g)	13	51	54	117
Vehicles Entered	113	909	672	1694
Vehicles Exited	111	901	668	1680
Hourly Exit Rate	111	901	668	1680
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

6: Shore Road & School Street Performance by approach

Approach	SE	NW	NE	All
Total Delay (hr)	0.1	0.2	0.1	0.5
Delay / Veh (s)	0.8	1.9	9.0	1.9
Stop Delay (hr)	0.0	0.1	0.1	0.2
St Del/Veh (s)	0.4	0.6	7.9	1.0
Total Stops	11	30	57	98
Stop/Veh	0.03	0.07	1.00	0.12
Travel Dist (mi)	17.9	53.1	9.3	80.2
Travel Time (hr)	0.8	2.4	0.6	3.8
Avg Speed (mph)	23	23	16	22
Fuel Used (gal)	1.2	3.1	0.8	5.2
Fuel Eff. (mpg)	14.4	17.0	11.4	15.5
HC Emissions (g)	3	7	2	12
CO Emissions (g)	76	195	85	356
NOx Emissions (g)	7	15	7	29
Vehicles Entered	334	453	57	844
Vehicles Exited	334	450	57	841
Hourly Exit Rate	334	450	57	841
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

16: Captain Thomas Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	0.3	4.0	0.6	4.9
Delay / Veh (s)	21.6	14.0	2.8	9.3
Stop Delay (hr)	0.2	0.0	0.2	0.4
St Del/Veh (s)	20.9	0.1	0.7	0.8
Total Stops	42	17	1	60
Stop/Veh	1.00	0.02	0.00	0.03
Travel Dist (mi)	6.1	702.0	153.6	861.7
Travel Time (hr)	0.5	22.1	4.6	27.2
Avg Speed (mph)	12	32	34	32
Fuel Used (gal)	0.5	35.2	7.8	43.5
Fuel Eff. (mpg)	12.7	19.9	19.7	19.8
HC Emissions (g)	1	74	21	96
CO Emissions (g)	35	1595	781	2411
NOx Emissions (g)	3	182	51	236
Vehicles Entered	43	1040	812	1895
Vehicles Exited	42	1014	808	1864
Hourly Exit Rate	42	1014	808	1864
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

Total Network Performance

Total Delay (hr)	40.7
Delay / Veh (s)	31.4
Stop Delay (hr)	23.5
St Del/Veh (s)	18.1
Total Stops	964
Stop/Veh	0.21
Travel Dist (mi)	3331.1
Travel Time (hr)	140.7
Avg Speed (mph)	25
Fuel Used (gal)	202.0
Fuel Eff. (mpg)	16.5
HC Emissions (g)	483
CO Emissions (g)	14206
NOx Emissions (g)	1139
Vehicles Entered	4749
Vehicles Exited	4606
Hourly Exit Rate	4606
Denied Entry Before	0
Denied Entry After	7

Arterial Level of Service: NB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Bourne Lane	6.7	36.1	0.3	29
Obeds Lane	3.4	18.4	0.1	28
School Street	3.3	21.9	0.2	25
Berwick Road	24.9	28.8	0.1	24
Captain Thomas Road	13.8	77.2	0.7	33
Total	52.1	182.4	1.4	30

Arterial Level of Service: SB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Captain Thomas Road	2.8	20.5	0.2	36
Berwick Road	5.4	24.8	0.2	24
School Street	1.5	13.4	0.2	58
Agamenticus Road	2.6	21.5	0.2	25
Bourne Lane	2.4	17.4	0.1	29
Total	14.7	97.6	0.9	32

Arterial Level of Service: NW Shore Road

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
School Street	1.8	19.1	0.1	23
Total	1.8	19.1	0.1	23

Arterial Level of Service: SE Shore Road

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
School Street	0.8	8.8	0.1	52
Total	0.8	8.8	0.1	52

Arterial Level of Service: NE School Street

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Shore Road	11.3	41.4	0.2	16
Total	11.3	41.4	0.2	16

Arterial Level of Service: WB School Street

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Route 1	26.9	58.5	0.2	11
Total	26.9	58.5	0.2	11

Intersection: 1: Berwick Road & Route 1

Movement	EB	NB	SB	SB
Directions Served	LR	LT	T	TR
Maximum Queue (ft)	649	190	48	74
Average Queue (ft)	362	151	6	17
95th Queue (ft)	713	230	29	56
Link Distance (ft)	1149			802
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			100	
Storage Blk Time (%)				0.00
Queuing Penalty (veh)				0

Intersection: 2: Beach Road & Route 1

Movement
Directions Served
Maximum Queue (ft)
Average Queue (ft)
95th Queue (ft)
Link Distance (ft)
Upstream Blk Time (%)
Queuing Penalty (veh)
Storage Bay Dist (ft)
Storage Blk Time (%)
Queuing Penalty (veh)

Intersection: 3: School Street & Route 1

Movement	WB	WB	NB	SB	SB
Directions Served	L	R	TR	L	T
Maximum Queue (ft)	72	51	12	40	15
Average Queue (ft)	21	22	1	6	0
95th Queue (ft)	53	53	8	28	10
Link Distance (ft)	911		741		
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		25		300	
Storage Blk Time (%)	0.13	0.06			
Queuing Penalty (veh)	3	2			

Intersection: 4: Agamenticus Road & Route 1

Movement	EB	WB	NB	NB	SB	SB
Directions Served	LTR	LTR	L	TR	L	TR
Maximum Queue (ft)	91	55	38	39	27	71
Average Queue (ft)	34	16	8	4	4	7
95th Queue (ft)	69	44	27	22	21	38
Link Distance (ft)	971	928		674		741
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)			300		300	
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 5: Bourne Lane & Route 1

Movement	WB	WB	NB	SB
Directions Served	L	R	TR	L
Maximum Queue (ft)	167	75	31	58
Average Queue (ft)	61	33	2	22
95th Queue (ft)	126	76	16	52
Link Distance (ft)	893		1450	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		45		200
Storage Blk Time (%)	0.29	0.03		
Queuing Penalty (veh)	10	2		

Intersection: 6: Shore Road & School Street

Movement	SE	NW	NE
Directions Served	TR	LT	LR
Maximum Queue (ft)	70	109	77
Average Queue (ft)	9	23	32
95th Queue (ft)	42	75	61
Link Distance (ft)		622	911
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 16: Captain Thomas Road & Route 1

Movement	EB	NB	NB	SB
Directions Served	LR	L	T	TR
Maximum Queue (ft)	76	44	17	30
Average Queue (ft)	26	13	1	1
95th Queue (ft)	61	39	9	15
Link Distance (ft)	740		3702	1001
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		100		
Storage Blk Time (%)				
Queuing Penalty (veh)				

Nework Summary

Network wide Queuing Penalty: 16

Summary of All Intervals

Run Number	1	2	3	4	5	Avg
Start Time	12:35	12:35	12:35	12:35	12:35	12:35
End Time	1:45	1:45	1:45	1:45	1:45	1:45
Total Time (min)	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60
# of Intervals	2	2	2	2	2	2
# of Recorded Intvls	1	1	1	1	1	1
Vehs Entered	2087	2062	2129	2093	2086	2092
Vehs Exited	2051	2044	2085	2064	2031	2053
Starting Vehs	0	0	0	0	0	0
Ending Vehs	161	169	191	173	176	174
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	87	55	81	58	44	65
Travel Distance (mi)	2680	2717	2803	2738	2771	2742
Travel Time (hr)	181.2	195.9	211.8	188.3	182.0	191.8
Total Delay (hr)	97.9	111.3	125.1	103.3	96.7	106.9
Total Stops	3143	3452	3342	3264	3290	3298
Fuel Used (gal)	201.2	199.1	221.6	198.8	198.6	203.9

Interval #0 Information Seeding

Start Time	12:35
End Time	12:45
Total Time (min)	10

Volumes adjusted by Growth Factors.

No data recorded this interval.

Interval #1 Information Recording

Start Time	12:45
End Time	1:45
Total Time (min)	60

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	Avg
Vehs Entered	2087	2062	2129	2093	2086	2092
Vehs Exited	2051	2044	2085	2064	2031	2053
Starting Vehs	0	0	0	0	0	0
Ending Vehs	161	169	191	173	176	174
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	87	55	81	58	44	65
Travel Distance (mi)	2680	2717	2803	2738	2771	2742
Travel Time (hr)	181.2	195.9	211.8	188.3	182.0	191.8
Total Delay (hr)	97.9	111.3	125.1	103.3	96.7	106.9
Total Stops	3143	3452	3342	3264	3290	3298
Fuel Used (gal)	201.2	199.1	221.6	198.8	198.6	203.9

1: Berwick Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	0.8	1.4	1.7	3.9
Delay / Veh (s)	33.4	6.8	9.6	9.5
Stop Delay (hr)	0.7	0.5	0.8	2.0
St Del/Veh (s)	32.6	2.2	4.3	4.8
Total Stops	81	147	100	328
Stop/Veh	0.99	0.19	0.16	0.22
Travel Dist (mi)	17.6	61.1	100.9	179.6
Travel Time (hr)	1.5	3.7	5.2	10.4
Avg Speed (mph)	12	16	20	17
Fuel Used (gal)	1.3	7.7	6.0	15.0
Fuel Eff. (mpg)	14.0	7.9	16.8	12.0
HC Emissions (g)	3	19	15	37
CO Emissions (g)	84	645	412	1141
NOx Emissions (g)	8	76	36	120
Vehicles Entered	83	756	644	1483
Vehicles Exited	81	752	640	1473
Hourly Exit Rate	81	752	640	1473
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

2: Beach Road & Route 1 Performance by approach

Approach	WB	NB	SB	NW	All
Total Delay (hr)	2.5	11.6	8.9	21.6	44.7
Delay / Veh (s)	54.0	65.5	48.8	290.1	92.8
Stop Delay (hr)	2.4	8.8	8.1	20.7	40.0
St Del/Veh (s)	51.7	49.5	44.4	277.5	83.0
Total Stops	152	659	473	699	1983
Stop/Veh	0.90	1.03	0.72	2.61	1.14
Travel Dist (mi)	26.7	128.2	47.0	30.4	232.3
Travel Time (hr)	3.7	16.1	10.7	22.9	53.4
Avg Speed (mph)	8	8	4	1	4
Fuel Used (gal)	3.2	11.9	7.9	12.9	35.9
Fuel Eff. (mpg)	8.2	10.7	6.0	2.4	6.5
HC Emissions (g)	8	29	21	34	92
CO Emissions (g)	195	446	394	414	1449
NOx Emissions (g)	25	51	52	56	183
Vehicles Entered	170	646	664	280	1760
Vehicles Exited	167	634	654	256	1711
Hourly Exit Rate	167	634	654	256	1711
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0

3: School Street & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	0.1	0.5	0.6	1.3
Delay / Veh (s)	12.4	3.0	4.5	3.9
Stop Delay (hr)	0.1	0.0	0.0	0.2
St Del/Veh (s)	11.7	0.2	0.1	0.5
Total Stops	34	7	4	45
Stop/Veh	0.97	0.01	0.01	0.04
Travel Dist (mi)	3.9	97.9	102.3	204.0
Travel Time (hr)	0.3	3.9	4.1	8.3
Avg Speed (mph)	14	25	25	24
Fuel Used (gal)	0.3	4.5	6.0	10.8
Fuel Eff. (mpg)	13.7	21.6	17.1	18.9
HC Emissions (g)	1	11	13	25
CO Emissions (g)	23	232	317	573
NOx Emissions (g)	2	21	34	56
Vehicles Entered	36	647	490	1173
Vehicles Exited	35	644	486	1165
Hourly Exit Rate	35	644	486	1165
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

4: Agamenticus Road & Route 1 Performance by approach

Approach	EB	WB	NB	SB	All
Total Delay (hr)	0.2	0.1	0.5	0.5	1.3
Delay / Veh (s)	11.5	14.9	2.8	3.9	3.8
Stop Delay (hr)	0.2	0.1	0.0	0.0	0.3
St Del/Veh (s)	10.4	13.6	0.1	0.2	0.8
Total Stops	54	16	9	10	89
Stop/Veh	1.00	1.00	0.01	0.02	0.07
Travel Dist (mi)	9.9	2.9	91.6	76.4	180.8
Travel Time (hr)	0.5	0.2	3.3	3.2	7.2
Avg Speed (mph)	18	15	28	24	25
Fuel Used (gal)	0.6	0.2	6.4	3.6	10.8
Fuel Eff. (mpg)	16.8	18.3	14.2	21.2	16.8
HC Emissions (g)	2	0	14	8	24
CO Emissions (g)	48	7	489	147	690
NOx Emissions (g)	4	1	38	14	57
Vehicles Entered	54	16	651	499	1220
Vehicles Exited	54	16	650	496	1216
Hourly Exit Rate	54	16	650	496	1216
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0

5: Bourne Lane & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	0.4	0.9	0.4	1.6
Delay / Veh (s)	16.2	4.4	2.9	4.6
Stop Delay (hr)	0.3	0.1	0.0	0.5
St Del/Veh (s)	14.7	0.6	0.3	1.4
Total Stops	84	0	17	101
Stop/Veh	1.00	0.00	0.03	0.08
Travel Dist (mi)	14.2	192.2	69.5	275.9
Travel Time (hr)	1.0	6.7	2.5	10.2
Avg Speed (mph)	15	29	27	28
Fuel Used (gal)	1.0	9.3	5.9	16.3
Fuel Eff. (mpg)	14.3	20.6	11.7	17.0
HC Emissions (g)	3	22	13	38
CO Emissions (g)	64	634	549	1247
NOx Emissions (g)	6	44	43	93
Vehicles Entered	85	706	498	1289
Vehicles Exited	83	698	495	1276
Hourly Exit Rate	83	698	495	1276
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

6: Shore Road & School Street Performance by approach

Approach	SE	NW	NE	All
Total Delay (hr)	0.1	41.1	6.2	47.4
Delay / Veh (s)	1.8	541.6	635.7	304.1
Stop Delay (hr)	0.0	40.3	6.2	46.5
St Del/Veh (s)	0.2	531.2	635.4	298.2
Total Stops	8	657	40	705
Stop/Veh	0.03	2.41	1.14	1.26
Travel Dist (mi)	31.5	31.9	6.3	69.7
Travel Time (hr)	1.6	42.4	6.5	50.4
Avg Speed (mph)	20	2	1	2
Fuel Used (gal)	2.6	26.1	3.6	32.3
Fuel Eff. (mpg)	12.0	1.2	1.8	2.2
HC Emissions (g)	7	91	10	107
CO Emissions (g)	223	835	148	1207
NOx Emissions (g)	23	78	15	116
Vehicles Entered	253	287	42	582
Vehicles Exited	251	260	29	540
Hourly Exit Rate	251	260	29	540
Denied Entry Before	0	0	0	0
Denied Entry After	0	65	0	65

16: Captain Thomas Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	0.1	2.5	0.3	2.9
Delay / Veh (s)	9.9	12.0	1.9	7.6
Stop Delay (hr)	0.1	0.0	0.1	0.2
St Del/Veh (s)	9.1	0.1	0.5	0.5
Total Stops	37	9	1	47
Stop/Veh	1.00	0.01	0.00	0.03
Travel Dist (mi)	5.3	512.5	113.4	631.2
Travel Time (hr)	0.3	15.7	3.3	19.3
Avg Speed (mph)	17	33	35	33
Fuel Used (gal)	0.4	25.3	5.7	31.4
Fuel Eff. (mpg)	14.5	20.2	19.8	20.1
HC Emissions (g)	1	54	16	71
CO Emissions (g)	24	1372	665	2061
NOx Emissions (g)	2	136	40	179
Vehicles Entered	37	755	599	1391
Vehicles Exited	37	737	597	1371
Hourly Exit Rate	37	737	597	1371
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

Total Network Performance

Total Delay (hr)	106.9
Delay / Veh (s)	179.8
Stop Delay (hr)	89.6
St Del/Veh (s)	150.8
Total Stops	3298
Stop/Veh	1.54
Travel Dist (mi)	2741.9
Travel Time (hr)	191.8
Avg Speed (mph)	16
Fuel Used (gal)	203.9
Fuel Eff. (mpg)	13.5
HC Emissions (g)	517
CO Emissions (g)	12512
NOx Emissions (g)	1101
Vehicles Entered	2227
Vehicles Exited	2053
Hourly Exit Rate	2053
Denied Entry Before	0
Denied Entry After	65

Arterial Level of Service: NB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Bourne Lane	4.5	33.9	0.3	30
Obeds Lane	2.8	17.9	0.1	29
School Street	3.0	21.6	0.2	25
Shore Road	66.3	91.0	0.2	8
Berwick Road	6.8	17.2	0.1	16
Captain Thomas Road	11.9	75.5	0.7	34
Total	95.4	257.1	1.6	22

Arterial Level of Service: SB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Captain Thomas Road	2.0	19.7	0.2	37
Berwick Road	9.8	29.1	0.2	21
Shore Road	14.5	23.4	0.1	12
School Street	4.7	30.4	0.2	24
Agamenticus Road	3.9	22.7	0.2	24
Bourne Lane	2.7	17.8	0.1	29
Total	37.6	143.2	0.9	24

Arterial Level of Service: NW Shore Road

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
School Street	537.4	554.7	0.1	2
Beach Road	288.7	306.0	0.1	1
Total	826.1	860.7	0.2	2

Arterial Level of Service: SE Shore Road

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
School Street	0.2	19.6	0.1	23
Total	0.2	19.6	0.1	23

Intersection: 1: Berwick Road & Route 1

Movement	EB	NB	SB	SB
Directions Served	LR	LT	T	TR
Maximum Queue (ft)	131	328	122	378
Average Queue (ft)	46	101	38	54
95th Queue (ft)	98	274	109	257
Link Distance (ft)	1149	319		802
Upstream Blk Time (%)		0.01		0.00
Queuing Penalty (veh)		4		0
Storage Bay Dist (ft)			100	
Storage Blk Time (%)			0.05	0.00
Queuing Penalty (veh)			19	0

Intersection: 2: Beach Road & Route 1

Movement	WB	WB	WB	NB	SB	SB	NW
Directions Served	<	L	R	TR>	<L	T	R>
Maximum Queue (ft)	96	184	94	912	342	336	592
Average Queue (ft)	44	57	40	551	251	158	570
95th Queue (ft)	92	130	86	857	384	291	615
Link Distance (ft)		836		1000	319	319	562
Upstream Blk Time (%)				0.01	0.14	0.00	0.74
Queuing Penalty (veh)				4	45	1	268
Storage Bay Dist (ft)	60		80				
Storage Blk Time (%)	0.10	0.10	0.01				
Queuing Penalty (veh)	12	11	2				

Intersection: 3: School Street & Route 1

Movement	WB	WB	NB	SB
Directions Served	L	R	TR	L
Maximum Queue (ft)	50	44	76	32
Average Queue (ft)	13	16	5	4
95th Queue (ft)	37	45	53	22
Link Distance (ft)	911		741	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		25		300
Storage Blk Time (%)	0.06	0.03		
Queuing Penalty (veh)	1	1		

Intersection: 4: Agamenticus Road & Route 1

Movement	EB	WB	NB	NB	SB	SB
Directions Served	LTR	LTR	L	TR	L	TR
Maximum Queue (ft)	63	46	29	59	31	66
Average Queue (ft)	28	14	4	3	4	4
95th Queue (ft)	55	39	19	25	21	31
Link Distance (ft)	971	928		674		741
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)			300		300	
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 5: Bourne Lane & Route 1

Movement	WB	WB	SB
Directions Served	L	R	L
Maximum Queue (ft)	89	67	48
Average Queue (ft)	35	21	14
95th Queue (ft)	68	56	41
Link Distance (ft)	893		
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		45	200
Storage Blk Time (%)	0.07	0.01	
Queuing Penalty (veh)	2	1	

Intersection: 6: Shore Road & School Street

Movement	SE	NW	NE
Directions Served	TR	LT	LR
Maximum Queue (ft)	62	646	367
Average Queue (ft)	8	527	165
95th Queue (ft)	38	859	405
Link Distance (ft)	562	622	911
Upstream Blk Time (%)		0.60	
Queuing Penalty (veh)		0	
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 16: Captain Thomas Road & Route 1

Movement	EB	NB	NB	SB
Directions Served	LR	L	T	TR
Maximum Queue (ft)	50	45	6	27
Average Queue (ft)	20	8	0	1
95th Queue (ft)	43	32	4	12
Link Distance (ft)	740		3702	1001
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		100		
Storage Blk Time (%)				
Queuing Penalty (veh)				

Nework Summary

Network wide Queuing Penalty: 370

Summary of All Intervals

Run Number	1	2	3	4	5	Avg
Start Time	12:35	12:35	12:35	12:35	12:35	12:35
End Time	1:45	1:45	1:45	1:45	1:45	1:45
Total Time (min)	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60
# of Intervals	2	2	2	2	2	2
# of Recorded Intvls	1	1	1	1	1	1
Vehs Entered	2500	2417	1745	2427	2453	2308
Vehs Exited	2098	2066	1197	2153	2174	1937
Starting Vehs	0	0	0	0	0	0
Ending Vehs	574	548	749	500	496	576
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	355	392	996	347	299	479
Travel Distance (mi)	2986	2946	1654	3039	3087	2742
Travel Time (hr)	502.7	548.4	719.3	491.0	452.0	542.7
Total Delay (hr)	411.1	457.3	668.2	397.3	356.6	458.1
Total Stops	8207	8554	4799	7745	7438	7345
Fuel Used (gal)	390.9	408.2	453.6	376.9	358.6	397.6

Interval #0 Information Seeding

Start Time	12:35
End Time	12:45
Total Time (min)	10

Volumes adjusted by Growth Factors.

No data recorded this interval.

Interval #1 Information Recording

Start Time	12:45
End Time	1:45
Total Time (min)	60

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	Avg
Vehs Entered	2500	2417	1745	2427	2453	2308
Vehs Exited	2098	2066	1197	2153	2174	1937
Starting Vehs	0	0	0	0	0	0
Ending Vehs	574	548	749	500	496	576
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	355	392	996	347	299	479
Travel Distance (mi)	2986	2946	1654	3039	3087	2742
Travel Time (hr)	502.7	548.4	719.3	491.0	452.0	542.7
Total Delay (hr)	411.1	457.3	668.2	397.3	356.6	458.1
Total Stops	8207	8554	4799	7745	7438	7345
Fuel Used (gal)	390.9	408.2	453.6	376.9	358.6	397.6

1: Berwick Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	14.2	3.8	27.1	45.1
Delay / Veh (s)	625.1	20.8	136.4	112.1
Stop Delay (hr)	14.2	2.8	24.0	41.0
St Del/Veh (s)	624.1	15.3	121.0	102.0
Total Stops	118	229	696	1043
Stop/Veh	1.44	0.35	0.97	0.72
Travel Dist (mi)	18.3	52.5	114.0	184.9
Travel Time (hr)	15.0	5.8	31.0	51.8
Avg Speed (mph)	1	9	5	4
Fuel Used (gal)	8.2	7.8	21.4	37.4
Fuel Eff. (mpg)	2.2	6.7	5.3	4.9
HC Emissions (g)	22	19	70	110
CO Emissions (g)	331	543	818	1692
NOx Emissions (g)	37	66	89	192
Vehicles Entered	98	656	731	1485
Vehicles Exited	66	647	697	1410
Hourly Exit Rate	66	647	697	1410
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	24	24

2: Beach Road & Route 1 Performance by approach

Approach	WB	NB	SB	NW	All
Total Delay (hr)	7.3	33.8	12.6	22.3	76.0
Delay / Veh (s)	128.8	220.2	64.6	333.9	160.8
Stop Delay (hr)	7.1	29.6	11.7	21.4	69.9
St Del/Veh (s)	125.9	192.8	59.9	321.1	147.8
Total Stops	198	1012	488	525	2223
Stop/Veh	0.97	1.83	0.69	2.19	1.31
Travel Dist (mi)	31.8	108.5	50.5	26.7	217.5
Travel Time (hr)	8.7	37.6	14.5	23.4	84.2
Avg Speed (mph)	4	3	3	1	3
Fuel Used (gal)	5.9	23.1	10.6	12.8	52.5
Fuel Eff. (mpg)	5.4	4.7	4.7	2.1	4.1
HC Emissions (g)	17	58	26	34	135
CO Emissions (g)	310	712	473	402	1897
NOx Emissions (g)	36	86	61	51	234
Vehicles Entered	210	574	711	252	1747
Vehicles Exited	198	532	698	229	1657
Hourly Exit Rate	198	532	698	229	1657
Denied Entry Before	0	0	0	0	0
Denied Entry After	10	1	0	0	11

3: School Street & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	11.2	23.2	0.7	35.1
Delay / Veh (s)	1393.7	145.5	4.8	110.9
Stop Delay (hr)	11.2	20.2	0.0	31.5
St Del/Veh (s)	1392.9	127.1	0.3	99.4
Total Stops	38	730	3	771
Stop/Veh	1.31	1.27	0.01	0.68
Travel Dist (mi)	3.2	85.9	112.2	201.3
Travel Time (hr)	11.4	26.1	4.6	42.1
Avg Speed (mph)	0	3	24	5
Fuel Used (gal)	5.9	15.9	6.3	28.1
Fuel Eff. (mpg)	0.5	5.4	17.8	7.2
HC Emissions (g)	16	40	14	70
CO Emissions (g)	193	509	314	1015
NOx Emissions (g)	22	63	34	119
Vehicles Entered	39	587	540	1166
Vehicles Exited	19	559	536	1114
Hourly Exit Rate	19	559	536	1114
Denied Entry Before	0	0	0	0
Denied Entry After	8	0	0	8

4: Agamenticus Road & Route 1 Performance by approach

Approach	EB	WB	NB	SB	All
Total Delay (hr)	25.7	8.3	19.4	0.7	54.1
Delay / Veh (s)	2717.4	2136.9	115.0	4.6	162.7
Stop Delay (hr)	25.6	8.3	16.4	0.0	50.4
St Del/Veh (s)	2713.9	2135.1	97.1	0.3	151.6
Total Stops	54	23	654	14	745
Stop/Veh	1.59	1.64	1.08	0.03	0.62
Travel Dist (mi)	6.3	3.3	85.6	83.3	178.5
Travel Time (hr)	25.9	8.5	22.0	3.6	59.9
Avg Speed (mph)	0	0	4	23	3
Fuel Used (gal)	13.1	4.2	15.8	3.8	36.9
Fuel Eff. (mpg)	0.5	0.8	5.4	21.8	4.8
HC Emissions (g)	39	12	38	9	97
CO Emissions (g)	418	149	540	155	1262
NOx Emissions (g)	40	17	67	16	140
Vehicles Entered	56	24	622	542	1244
Vehicles Exited	12	5	592	540	1149
Hourly Exit Rate	12	5	592	540	1149
Denied Entry Before	0	0	0	0	0
Denied Entry After	12	0	1	0	13

5: Bourne Lane & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	13.7	78.5	0.5	92.8
Delay / Veh (s)	595.7	402.1	3.5	256.3
Stop Delay (hr)	13.7	72.2	0.1	85.9
St Del/Veh (s)	592.5	369.9	0.5	237.5
Total Stops	128	1092	11	1231
Stop/Veh	1.54	1.55	0.02	0.94
Travel Dist (mi)	14.1	192.2	72.0	278.3
Travel Time (hr)	14.3	84.3	2.7	101.3
Avg Speed (mph)	1	5	27	5
Fuel Used (gal)	7.7	53.7	6.2	67.6
Fuel Eff. (mpg)	1.8	3.6	11.6	4.1
HC Emissions (g)	20	276	13	310
CO Emissions (g)	280	1691	478	2449
NOx Emissions (g)	29	162	41	232
Vehicles Entered	103	732	517	1352
Vehicles Exited	64	675	515	1254
Hourly Exit Rate	64	675	515	1254
Denied Entry Before	0	0	0	0
Denied Entry After	5	169	0	174

6: Shore Road & School Street Performance by approach

Approach	SE	NW	NE	All
Total Delay (hr)	0.1	100.6	11.2	111.9
Delay / Veh (s)	1.8	1508.8	1385.0	752.8
Stop Delay (hr)	0.0	99.8	11.1	110.9
St Del/Veh (s)	0.2	1496.7	1384.0	746.5
Total Stops	6	611	39	656
Stop/Veh	0.02	2.55	1.34	1.23
Travel Dist (mi)	33.1	28.0	5.4	66.6
Travel Time (hr)	1.6	101.7	11.4	114.8
Avg Speed (mph)	20	1	0	2
Fuel Used (gal)	2.6	62.9	6.1	71.6
Fuel Eff. (mpg)	12.8	0.4	0.9	0.9
HC Emissions (g)	7	252	19	278
CO Emissions (g)	237	1913	238	2387
NOx Emissions (g)	24	145	25	194
Vehicles Entered	266	253	41	560
Vehicles Exited	264	228	18	510
Hourly Exit Rate	264	228	18	510
Denied Entry Before	0	0	0	0
Denied Entry After	0	203	2	205

16: Captain Thomas Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	1.1	2.1	9.7	13.0
Delay / Veh (s)	86.9	12.0	46.4	32.3
Stop Delay (hr)	1.1	0.0	9.2	10.4
St Del/Veh (s)	86.0	0.1	44.3	25.9
Total Stops	49	12	10	71
Stop/Veh	1.04	0.02	0.01	0.05
Travel Dist (mi)	6.8	440.6	142.1	589.5
Travel Time (hr)	1.4	13.5	13.4	28.3
Avg Speed (mph)	5	33	21	27
Fuel Used (gal)	1.0	22.4	12.9	36.3
Fuel Eff. (mpg)	6.9	19.7	11.0	16.2
HC Emissions (g)	3	46	57	106
CO Emissions (g)	57	1134	878	2070
NOx Emissions (g)	5	117	61	183
Vehicles Entered	50	650	757	1457
Vehicles Exited	45	640	745	1430
Hourly Exit Rate	45	640	745	1430
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	44	44

Total Network Performance

Total Delay (hr)	458.1
Delay / Veh (s)	741.2
Stop Delay (hr)	423.2
St Del/Veh (s)	684.7
Total Stops	7345
Stop/Veh	3.30
Travel Dist (mi)	2742.3
Travel Time (hr)	542.7
Avg Speed (mph)	7
Fuel Used (gal)	397.6
Fuel Eff. (mpg)	6.9
HC Emissions (g)	1271
CO Emissions (g)	17271
NOx Emissions (g)	1641
Vehicles Entered	2513
Vehicles Exited	1937
Hourly Exit Rate	1937
Denied Entry Before	0
Denied Entry After	479

Arterial Level of Service: NB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Bourne Lane	401.2	430.5	0.3	5
Obeds Lane	116.1	131.2	0.1	4
School Street	145.8	164.3	0.2	3
Shore Road	223.0	247.2	0.2	3
Berwick Road	19.7	30.1	0.1	9
Captain Thomas Road	11.9	75.3	0.7	34
Total	917.8	1078.7	1.6	7

Arterial Level of Service: SB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Captain Thomas Road	45.8	63.5	0.2	22
Berwick Road	135.5	155.1	0.2	5
Shore Road	18.9	27.7	0.1	10
School Street	5.0	30.5	0.2	24
Agamenticus Road	4.4	23.4	0.2	23
Bourne Lane	3.0	18.1	0.1	28
Total	212.6	318.3	0.9	14

Arterial Level of Service: NE School Street

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Shore Road	1231.9	1258.6	0.2	1
Total	1231.9	1258.6	0.2	1

Arterial Level of Service: WB School Street

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Route 1	108.1	118.2	0.2	6
Total	108.1	118.2	0.2	6

Intersection: 1: Berwick Road & Route 1

Movement	EB	NB	SB	SB	B9
Directions Served	LR	LT	T	TR	T
Maximum Queue (ft)	825	339	144	879	1939
Average Queue (ft)	360	185	109	638	815
95th Queue (ft)	860	404	168	1204	2592
Link Distance (ft)	1149	319		802	3702
Upstream Blk Time (%)	0.00	0.15		0.36	0.07
Queuing Penalty (veh)	0	154		288	56
Storage Bay Dist (ft)			100		
Storage Blk Time (%)			0.49	0.02	
Queuing Penalty (veh)			219	9	

Intersection: 2: Beach Road & Route 1

Movement	WB	WB	WB	NB	SB	SB	NW
Directions Served	<	L	R	TR>	<L	T	R>
Maximum Queue (ft)	89	401	110	1032	355	342	593
Average Queue (ft)	49	152	54	1010	294	166	574
95th Queue (ft)	99	461	112	1070	453	358	591
Link Distance (ft)		836		1000	319	319	562
Upstream Blk Time (%)		0.04		0.61	0.52	0.04	0.82
Queuing Penalty (veh)		0		496	227	17	387
Storage Bay Dist (ft)	60		80				
Storage Blk Time (%)	0.18	0.19	0.12				
Queuing Penalty (veh)	27	28	18				

Intersection: 3: School Street & Route 1

Movement	WB	WB	NB	SB
Directions Served	L	R	TR	L
Maximum Queue (ft)	459	51	774	36
Average Queue (ft)	224	35	726	4
95th Queue (ft)	496	55	954	21
Link Distance (ft)	911		741	
Upstream Blk Time (%)			0.56	
Queuing Penalty (veh)			460	
Storage Bay Dist (ft)		25		300
Storage Blk Time (%)	0.06	0.89		
Queuing Penalty (veh)	1	24		

Intersection: 4: Agamenticus Road & Route 1

Movement	EB	WB	NB	NB	SB	SB
Directions Served	LTR	LTR	L	TR	L	TR
Maximum Queue (ft)	964	412	145	710	26	93
Average Queue (ft)	550	190	7	609	3	7
95th Queue (ft)	1101	439	69	941	17	44
Link Distance (ft)	971	928		674		741
Upstream Blk Time (%)	0.18			0.45		
Queuing Penalty (veh)	0			376		
Storage Bay Dist (ft)			300		300	
Storage Blk Time (%)				0.53		
Queuing Penalty (veh)				9		

Intersection: 5: Bourne Lane & Route 1

Movement	WB	WB	NB	SB
Directions Served	L	R	TR	L
Maximum Queue (ft)	887	72	1477	41
Average Queue (ft)	331	51	1074	11
95th Queue (ft)	823	86	2048	36
Link Distance (ft)	893		1450	
Upstream Blk Time (%)	0.05		0.38	
Queuing Penalty (veh)	0		0	
Storage Bay Dist (ft)		45		200
Storage Blk Time (%)	0.15	0.68		
Queuing Penalty (veh)	5	51		

Intersection: 6: Shore Road & School Street

Movement	SE	NW	NE
Directions Served	TR	LT	LR
Maximum Queue (ft)	66	649	530
Average Queue (ft)	6	610	267
95th Queue (ft)	32	759	552
Link Distance (ft)	562	622	911
Upstream Blk Time (%)		0.78	
Queuing Penalty (veh)		0	
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 16: Captain Thomas Road & Route 1

Movement	EB	NB	NB	SB
Directions Served	LR	L	T	TR
Maximum Queue (ft)	160	40	39	239
Average Queue (ft)	45	9	1	69
95th Queue (ft)	186	34	20	476
Link Distance (ft)	740		3702	1001
Upstream Blk Time (%)				0.06
Queuing Penalty (veh)				0
Storage Bay Dist (ft)		100		
Storage Blk Time (%)			0.00	
Queuing Penalty (veh)			0	

Nework Summary

Network wide Queuing Penalty: 2850

Summary of All Intervals

Run Number	1	2	3	4	5	Avg
Start Time	12:35	12:35	12:35	12:35	12:35	12:35
End Time	1:45	1:45	1:45	1:45	1:45	1:45
Total Time (min)	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60
# of Intervals	2	2	2	2	2	2
# of Recorded Intvls	1	1	1	1	1	1
Vehs Entered	2195	2152	2156	2201	2195	2179
Vehs Exited	2145	2128	2155	2173	2173	2154
Starting Vehs	0	0	0	0	0	0
Ending Vehs	151	118	119	115	109	121
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	0	0	0	1	0	0
Travel Distance (mi)	2804	2848	2860	2852	2856	2844
Travel Time (hr)	105.8	107.6	107.9	109.5	108.3	107.8
Total Delay (hr)	18.5	19.1	18.9	20.3	19.4	19.2
Total Stops	1519	1592	1448	1611	1522	1540
Fuel Used (gal)	164.9	159.1	171.3	163.3	163.9	164.5

Interval #0 Information Seeding

Start Time	12:35
End Time	12:45
Total Time (min)	10

Volumes adjusted by Growth Factors.

No data recorded this interval.

Interval #1 Information Recording

Start Time	12:45
End Time	1:45
Total Time (min)	60

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	Avg
Vehs Entered	2195	2152	2156	2201	2195	2179
Vehs Exited	2145	2128	2155	2173	2173	2154
Starting Vehs	0	0	0	0	0	0
Ending Vehs	151	118	119	115	109	121
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	0	0	0	1	0	0
Travel Distance (mi)	2804	2848	2860	2852	2856	2844
Travel Time (hr)	105.8	107.6	107.9	109.5	108.3	107.8
Total Delay (hr)	18.5	19.1	18.9	20.3	19.4	19.2
Total Stops	1519	1592	1448	1611	1522	1540
Fuel Used (gal)	164.9	159.1	171.3	163.3	163.9	164.5

1: Berwick Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	0.4	0.7	0.9	2.1
Delay / Veh (s)	19.9	3.3	5.2	4.9
Stop Delay (hr)	0.4	0.3	0.1	0.8
St Del/Veh (s)	19.3	1.2	0.5	1.8
Total Stops	75	140	42	257
Stop/Veh	1.01	0.17	0.06	0.17
Travel Dist (mi)	16.3	69.5	102.6	188.5
Travel Time (hr)	1.1	3.7	4.5	9.3
Avg Speed (mph)	15	19	23	20
Fuel Used (gal)	1.1	10.6	4.4	16.1
Fuel Eff. (mpg)	15.2	6.6	23.4	11.7
HC Emissions (g)	2	25	10	38
CO Emissions (g)	59	1028	153	1241
NOx Emissions (g)	6	107	15	127
Vehicles Entered	75	810	653	1538
Vehicles Exited	74	805	647	1526
Hourly Exit Rate	74	805	647	1526
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

2: Beach Road & Route 1 Performance by approach

Approach	WB	NB	SB	NW	All
Total Delay (hr)	0.5	3.1	1.2	1.2	5.9
Delay / Veh (s)	9.2	17.3	6.4	12.7	11.7
Stop Delay (hr)	0.3	1.5	0.1	0.9	2.8
St Del/Veh (s)	6.4	8.7	0.5	9.1	5.6
Total Stops	121	430	89	260	900
Stop/Veh	0.68	0.68	0.14	0.73	0.49
Travel Dist (mi)	28.0	126.2	47.6	40.5	242.3
Travel Time (hr)	1.6	7.4	2.9	2.9	14.9
Avg Speed (mph)	17	17	16	14	16
Fuel Used (gal)	1.9	7.4	3.8	2.7	15.8
Fuel Eff. (mpg)	14.7	17.1	12.5	15.2	15.4
HC Emissions (g)	5	18	10	7	40
CO Emissions (g)	131	325	253	128	838
NOx Emissions (g)	12	37	37	15	100
Vehicles Entered	181	643	662	356	1842
Vehicles Exited	178	631	656	353	1818
Hourly Exit Rate	178	631	656	353	1818
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0

3: School Street & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	0.1	0.5	0.4	0.9
Delay / Veh (s)	10.7	2.6	2.6	2.9
Stop Delay (hr)	0.1	0.0	0.0	0.1
St Del/Veh (s)	10.0	0.0	0.1	0.4
Total Stops	41	0	9	50
Stop/Veh	1.00	0.00	0.02	0.04
Travel Dist (mi)	4.7	96.8	105.3	206.8
Travel Time (hr)	0.3	3.8	4.3	8.4
Avg Speed (mph)	15	25	25	25
Fuel Used (gal)	0.3	4.5	8.8	13.6
Fuel Eff. (mpg)	14.1	21.4	12.0	15.2
HC Emissions (g)	1	10	20	32
CO Emissions (g)	34	206	797	1036
NOx Emissions (g)	3	20	67	89
Vehicles Entered	41	639	497	1177
Vehicles Exited	41	637	493	1171
Hourly Exit Rate	41	637	493	1171
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

4: Agamenticus Road & Route 1 Performance by approach

Approach	EB	WB	NB	SB	All
Total Delay (hr)	0.1	0.1	0.5	0.4	1.1
Delay / Veh (s)	11.7	10.9	2.7	3.1	3.4
Stop Delay (hr)	0.1	0.1	0.0	0.0	0.2
St Del/Veh (s)	10.6	9.5	0.1	0.2	0.7
Total Stops	45	21	9	11	86
Stop/Veh	1.00	1.00	0.01	0.02	0.07
Travel Dist (mi)	8.4	3.7	90.9	78.0	180.9
Travel Time (hr)	0.5	0.2	3.2	3.1	7.0
Avg Speed (mph)	18	17	28	25	26
Fuel Used (gal)	0.6	0.2	6.3	3.5	10.6
Fuel Eff. (mpg)	14.4	19.0	14.4	22.4	17.1
HC Emissions (g)	1	0	14	8	24
CO Emissions (g)	41	10	506	155	712
NOx Emissions (g)	3	1	40	14	58
Vehicles Entered	46	21	646	508	1221
Vehicles Exited	45	21	643	506	1215
Hourly Exit Rate	45	21	643	506	1215
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0

5: Bourne Lane & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	0.4	0.9	0.4	1.7
Delay / Veh (s)	16.3	4.5	2.8	4.6
Stop Delay (hr)	0.4	0.1	0.0	0.5
St Del/Veh (s)	14.7	0.7	0.3	1.5
Total Stops	88	0	20	108
Stop/Veh	1.00	0.00	0.04	0.08
Travel Dist (mi)	14.9	192.2	70.9	278.0
Travel Time (hr)	1.0	6.7	2.6	10.3
Avg Speed (mph)	15	29	28	27
Fuel Used (gal)	1.0	9.3	5.8	16.1
Fuel Eff. (mpg)	14.8	20.7	12.3	17.3
HC Emissions (g)	2	22	13	38
CO Emissions (g)	61	644	583	1288
NOx Emissions (g)	6	44	42	92
Vehicles Entered	89	706	510	1305
Vehicles Exited	88	699	507	1294
Hourly Exit Rate	88	699	507	1294
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

6: Shore Road & School Street Performance by approach

Approach	SE	NW	NE	All
Total Delay (hr)	0.1	0.1	0.1	0.3
Delay / Veh (s)	1.9	1.3	6.1	1.8
Stop Delay (hr)	0.0	0.0	0.0	0.1
St Del/Veh (s)	0.3	0.4	5.1	0.6
Total Stops	20	12	35	67
Stop/Veh	0.08	0.03	1.00	0.11
Travel Dist (mi)	34.7	41.2	5.8	81.8
Travel Time (hr)	1.7	1.8	0.3	3.8
Avg Speed (mph)	21	23	18	22
Fuel Used (gal)	3.0	2.2	0.5	5.7
Fuel Eff. (mpg)	11.6	18.8	11.8	14.4
HC Emissions (g)	8	5	1	14
CO Emissions (g)	318	144	52	514
NOx Emissions (g)	27	11	4	42
Vehicles Entered	251	350	35	636
Vehicles Exited	249	348	35	632
Hourly Exit Rate	249	348	35	632
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

16: Captain Thomas Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	0.1	2.7	0.3	3.1
Delay / Veh (s)	9.5	12.3	1.8	7.7
Stop Delay (hr)	0.1	0.0	0.1	0.2
St Del/Veh (s)	8.7	0.1	0.5	0.5
Total Stops	36	13	0	49
Stop/Veh	1.00	0.02	0.00	0.03
Travel Dist (mi)	5.1	536.9	116.8	658.8
Travel Time (hr)	0.3	16.5	3.4	20.2
Avg Speed (mph)	18	32	36	33
Fuel Used (gal)	0.3	27.6	6.2	34.1
Fuel Eff. (mpg)	16.5	19.4	19.0	19.3
HC Emissions (g)	1	58	16	74
CO Emissions (g)	19	1491	666	2176
NOx Emissions (g)	2	141	41	184
Vehicles Entered	36	794	618	1448
Vehicles Exited	36	775	614	1425
Hourly Exit Rate	36	775	614	1425
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

Total Network Performance

Total Delay (hr)	19.2
Delay / Veh (s)	31.2
Stop Delay (hr)	4.9
St Del/Veh (s)	7.9
Total Stops	1540
Stop/Veh	0.70
Travel Dist (mi)	2844.0
Travel Time (hr)	107.8
Avg Speed (mph)	26
Fuel Used (gal)	164.5
Fuel Eff. (mpg)	17.3
HC Emissions (g)	385
CO Emissions (g)	11920
NOx Emissions (g)	985
Vehicles Entered	2275
Vehicles Exited	2154
Hourly Exit Rate	2154
Denied Entry Before	0
Denied Entry After	0

Arterial Level of Service: NB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Bourne Lane	4.7	34.0	0.3	30
Obeds Lane	2.8	17.8	0.1	29
School Street	2.7	21.3	0.2	26
Shore Road	17.6	42.1	0.2	18
Berwick Road	3.0	16.3	0.1	17
Captain Thomas Road	12.2	75.8	0.7	34
Total	42.8	207.3	1.6	27

Arterial Level of Service: SB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Captain Thomas Road	1.9	19.6	0.2	37
Berwick Road	5.3	24.6	0.2	24
Shore Road	6.9	15.7	0.1	17
School Street	2.6	30.8	0.2	24
Agamenticus Road	3.2	22.0	0.2	25
Bourne Lane	2.5	17.5	0.1	29
Total	22.3	130.2	0.9	26

Intersection: 1: Berwick Road & Route 1

Movement	EB	NB	NB	SB
Directions Served	LR	L	T	TR
Maximum Queue (ft)	101	84	139	162
Average Queue (ft)	34	25	30	34
95th Queue (ft)	70	62	96	112
Link Distance (ft)	1150		321	803
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		100		
Storage Blk Time (%)		0.00	0.00	
Queuing Penalty (veh)		0	0	

Intersection: 2: Beach Road & Route 1

Movement	WB	NB	SB	NW
Directions Served	U<LR	UTR>	U<LT	ULR>
Maximum Queue (ft)	137	375	154	250
Average Queue (ft)	52	151	46	96
95th Queue (ft)	97	319	108	185
Link Distance (ft)	833	988	321	553
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: School Street & Route 1

Movement	WB	WB	SB
Directions Served	L	R	L
Maximum Queue (ft)	45	47	32
Average Queue (ft)	13	19	3
95th Queue (ft)	36	48	17
Link Distance (ft)	911		
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		25	300
Storage Blk Time (%)	0.06	0.04	
Queuing Penalty (veh)	1	1	

Intersection: 4: Agamenticus Road & Route 1

Movement	EB	WB	NB	NB	SB	SB
Directions Served	LTR	LTR	L	TR	L	TR
Maximum Queue (ft)	73	46	25	45	30	74
Average Queue (ft)	27	16	4	3	3	7
95th Queue (ft)	57	42	18	23	17	36
Link Distance (ft)	971	928		674		741
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)			300		300	
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 5: Bourne Lane & Route 1

Movement	WB	WB	NB	SB
Directions Served	L	R	TR	L
Maximum Queue (ft)	91	74	4	48
Average Queue (ft)	34	21	0	16
95th Queue (ft)	68	56	3	44
Link Distance (ft)	893		1450	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		45		200
Storage Blk Time (%)	0.06	0.01		
Queuing Penalty (veh)	2	1		

Intersection: 6: Shore Road & School Street

Movement	SE	NW	NE
Directions Served	TR	LT	LR
Maximum Queue (ft)	33	76	56
Average Queue (ft)	3	10	25
95th Queue (ft)	17	46	52
Link Distance (ft)	553	622	911
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 16: Captain Thomas Road & Route 1

Movement	EB	NB	NB
Directions Served	LR	L	T
Maximum Queue (ft)	62	43	44
Average Queue (ft)	20	10	2
95th Queue (ft)	48	35	21
Link Distance (ft)	740		3702
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		100	
Storage Blk Time (%)			0.00
Queuing Penalty (veh)			0

Nework Summary

Network wide Queuing Penalty: 4

Summary of All Intervals

Run Number	1	2	3	4	5	Avg
Start Time	12:35	12:35	12:35	12:35	12:35	12:35
End Time	1:45	1:45	1:45	1:45	1:45	1:45
Total Time (min)	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60
# of Intervals	2	2	2	2	2	2
# of Recorded Intvls	1	1	1	1	1	1
Vehs Entered	2742	2766	2713	2762	2735	2746
Vehs Exited	2600	2608	2590	2602	2599	2599
Starting Vehs	0	0	0	0	0	0
Ending Vehs	319	332	277	315	288	309
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	12	99	35	56	1	40
Travel Distance (mi)	3510	3473	3445	3487	3521	3487
Travel Time (hr)	238.1	299.4	240.1	245.8	202.7	245.2
Total Delay (hr)	128.9	191.0	133.0	137.5	93.5	136.8
Total Stops	8931	11094	10177	7848	6890	8991
Fuel Used (gal)	270.2	300.4	272.8	267.3	248.3	271.8

Interval #0 Information Seeding

Start Time	12:35
End Time	12:45
Total Time (min)	10

Volumes adjusted by Growth Factors.

No data recorded this interval.

Interval #1 Information Recording

Start Time	12:45
End Time	1:45
Total Time (min)	60

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	Avg
Vehs Entered	2742	2766	2713	2762	2735	2746
Vehs Exited	2600	2608	2590	2602	2599	2599
Starting Vehs	0	0	0	0	0	0
Ending Vehs	319	332	277	315	288	309
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	12	99	35	56	1	40
Travel Distance (mi)	3510	3473	3445	3487	3521	3487
Travel Time (hr)	238.1	299.4	240.1	245.8	202.7	245.2
Total Delay (hr)	128.9	191.0	133.0	137.5	93.5	136.8
Total Stops	8931	11094	10177	7848	6890	8991
Fuel Used (gal)	270.2	300.4	272.8	267.3	248.3	271.8

1: Berwick Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	4.9	1.2	1.7	7.9
Delay / Veh (s)	170.9	4.8	7.1	14.9
Stop Delay (hr)	4.9	0.6	0.2	5.8
St Del/Veh (s)	171.3	2.2	1.0	10.9
Total Stops	105	211	91	407
Stop/Veh	1.01	0.23	0.11	0.21
Travel Dist (mi)	22.7	79.7	136.6	239.1
Travel Time (hr)	5.9	4.6	6.4	16.9
Avg Speed (mph)	4	17	22	14
Fuel Used (gal)	3.9	12.4	6.0	22.4
Fuel Eff. (mpg)	5.7	6.4	22.6	10.7
HC Emissions (g)	10	30	14	54
CO Emissions (g)	192	1175	207	1575
NOx Emissions (g)	21	131	20	173
Vehicles Entered	108	935	869	1912
Vehicles Exited	100	930	864	1894
Hourly Exit Rate	100	930	864	1894
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

2: Beach Road & Route 1 Performance by approach

Approach	WB	NB	SB	NW	All
Total Delay (hr)	0.7	30.0	2.1	4.5	37.3
Delay / Veh (s)	11.7	156.6	8.5	35.7	59.7
Stop Delay (hr)	0.5	26.1	0.3	4.1	31.1
St Del/Veh (s)	8.9	136.5	1.3	32.4	49.8
Total Stops	161	2416	221	441	3239
Stop/Veh	0.74	3.51	0.25	0.97	1.44
Travel Dist (mi)	34.2	134.7	63.7	51.7	284.3
Travel Time (hr)	2.1	34.6	4.4	6.7	47.8
Avg Speed (mph)	16	4	15	8	6
Fuel Used (gal)	2.3	26.6	5.2	5.2	39.2
Fuel Eff. (mpg)	15.2	5.1	12.3	10.0	7.3
HC Emissions (g)	6	67	14	13	100
CO Emissions (g)	162	1058	303	218	1741
NOx Emissions (g)	14	145	45	25	230
Vehicles Entered	219	707	885	459	2270
Vehicles Exited	216	672	883	452	2223
Hourly Exit Rate	216	672	883	452	2223
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0

3: School Street & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	1.8	18.6	0.6	21.1
Delay / Veh (s)	156.8	95.3	3.3	54.2
Stop Delay (hr)	1.8	15.3	0.0	17.2
St Del/Veh (s)	156.0	78.3	0.2	44.1
Total Stops	47	1765	14	1826
Stop/Veh	1.12	2.51	0.02	1.31
Travel Dist (mi)	5.2	106.3	139.5	251.0
Travel Time (hr)	2.1	22.3	5.8	30.2
Avg Speed (mph)	3	5	24	8
Fuel Used (gal)	1.2	17.1	11.6	29.9
Fuel Eff. (mpg)	4.3	6.2	12.0	8.4
HC Emissions (g)	3	44	27	74
CO Emissions (g)	66	682	975	1723
NOx Emissions (g)	7	95	91	193
Vehicles Entered	45	716	658	1419
Vehicles Exited	39	690	651	1380
Hourly Exit Rate	39	690	651	1380
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

4: Agamenticus Road & Route 1 Performance by approach

Approach	EB	WB	NB	SB	All
Total Delay (hr)	8.1	1.5	14.6	0.6	24.9
Delay / Veh (s)	551.6	260.8	71.8	3.5	61.1
Stop Delay (hr)	8.1	1.5	11.3	0.0	21.0
St Del/Veh (s)	549.2	259.9	55.9	0.1	51.6
Total Stops	67	24	1330	14	1435
Stop/Veh	1.26	1.14	1.82	0.02	0.98
Travel Dist (mi)	10.7	3.9	103.5	101.4	219.5
Travel Time (hr)	8.5	1.7	17.7	4.2	32.0
Avg Speed (mph)	1	2	6	24	7
Fuel Used (gal)	4.7	0.9	14.9	4.5	25.0
Fuel Eff. (mpg)	2.3	4.1	6.9	22.4	8.8
HC Emissions (g)	13	2	37	10	63
CO Emissions (g)	217	42	663	180	1102
NOx Emissions (g)	20	5	84	18	126
Vehicles Entered	67	24	743	662	1496
Vehicles Exited	39	19	719	655	1432
Hourly Exit Rate	39	19	719	655	1432
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0

5: Bourne Lane & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	5.7	28.9	0.6	35.3
Delay / Veh (s)	195.2	125.6	3.3	80.7
Stop Delay (hr)	5.7	23.9	0.1	29.7
St Del/Veh (s)	193.4	103.8	0.6	67.9
Total Stops	128	1711	20	1859
Stop/Veh	1.21	2.06	0.03	1.18
Travel Dist (mi)	18.2	226.7	89.2	334.1
Travel Time (hr)	6.5	35.7	3.3	45.6
Avg Speed (mph)	3	9	27	9
Fuel Used (gal)	4.1	27.9	7.5	39.5
Fuel Eff. (mpg)	4.5	8.1	11.9	8.5
HC Emissions (g)	11	101	16	128
CO Emissions (g)	192	1179	633	2004
NOx Emissions (g)	21	119	52	191
Vehicles Entered	115	853	641	1609
Vehicles Exited	97	805	637	1539
Hourly Exit Rate	97	805	637	1539
Denied Entry Before	0	0	0	0
Denied Entry After	0	40	0	40

6: Shore Road & School Street Performance by approach

Approach	SE	NW	NE	All
Total Delay (hr)	0.3	0.2	0.1	0.6
Delay / Veh (s)	2.9	1.8	7.9	2.6
Stop Delay (hr)	0.1	0.1	0.1	0.2
St Del/Veh (s)	0.6	0.7	6.6	1.0
Total Stops	54	21	46	121
Stop/Veh	0.16	0.05	1.00	0.15
Travel Dist (mi)	45.4	52.1	8.0	105.4
Travel Time (hr)	2.3	2.4	0.5	5.1
Avg Speed (mph)	20	22	17	21
Fuel Used (gal)	4.2	3.0	0.6	7.8
Fuel Eff. (mpg)	10.9	17.3	12.6	13.5
HC Emissions (g)	11	7	2	20
CO Emissions (g)	421	186	74	681
NOx Emissions (g)	39	14	6	59
Vehicles Entered	329	444	47	820
Vehicles Exited	327	441	46	814
Hourly Exit Rate	327	441	46	814
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

16: Captain Thomas Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	0.2	3.3	0.6	4.1
Delay / Veh (s)	12.4	13.0	2.7	8.3
Stop Delay (hr)	0.2	0.0	0.2	0.3
St Del/Veh (s)	11.8	0.2	0.7	0.7
Total Stops	46	16	1	63
Stop/Veh	1.00	0.02	0.00	0.04
Travel Dist (mi)	6.5	629.5	153.6	789.6
Travel Time (hr)	0.4	19.6	4.6	24.6
Avg Speed (mph)	16	32	34	32
Fuel Used (gal)	0.6	31.8	7.9	40.3
Fuel Eff. (mpg)	11.7	19.8	19.4	19.6
HC Emissions (g)	1	67	21	89
CO Emissions (g)	36	1640	794	2470
NOx Emissions (g)	3	162	51	216
Vehicles Entered	46	929	813	1788
Vehicles Exited	46	910	809	1765
Hourly Exit Rate	46	910	809	1765
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

Total Network Performance

Total Delay (hr)	136.8
Delay / Veh (s)	178.9
Stop Delay (hr)	105.3
St Del/Veh (s)	137.8
Total Stops	8991
Stop/Veh	3.27
Travel Dist (mi)	3487.3
Travel Time (hr)	245.2
Avg Speed (mph)	15
Fuel Used (gal)	271.8
Fuel Eff. (mpg)	12.8
HC Emissions (g)	689
CO Emissions (g)	16576
NOx Emissions (g)	1564
Vehicles Entered	2908
Vehicles Exited	2599
Hourly Exit Rate	2599
Denied Entry Before	0
Denied Entry After	40

Arterial Level of Service: NB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Bourne Lane	125.2	154.3	0.3	9
Obeds Lane	73.1	88.0	0.1	6
School Street	95.8	114.3	0.2	5
Shore Road	155.7	179.6	0.2	4
Berwick Road	4.2	17.5	0.1	16
Captain Thomas Road	12.9	76.3	0.7	33
Total	467.0	630.0	1.6	10

Arterial Level of Service: SB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Captain Thomas Road	2.8	20.5	0.2	36
Berwick Road	7.1	26.5	0.2	23
Shore Road	9.0	17.9	0.1	15
School Street	3.2	31.7	0.2	24
Agamenticus Road	3.5	22.5	0.2	24
Bourne Lane	2.7	17.9	0.1	29
Total	28.2	137.0	0.9	25

Arterial Level of Service: NW Shore Road

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
School Street	1.7	19.1	0.1	23
Beach Road	34.9	52.0	0.1	8
Total	36.6	71.2	0.2	12

Arterial Level of Service: SE Shore Road

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
School Street	1.6	18.8	0.1	24
Total	1.6	18.8	0.1	24

Arterial Level of Service: NE School Street

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Shore Road	10.4	41.2	0.2	16
Total	10.4	41.2	0.2	16

Arterial Level of Service: WB School Street

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Route 1	31.3	51.6	0.2	13
Total	31.3	51.6	0.2	13

Intersection: 1: Berwick Road & Route 1

Movement	EB	NB	NB	SB
Directions Served	LR	L	T	TR
Maximum Queue (ft)	375	84	184	306
Average Queue (ft)	151	32	37	66
95th Queue (ft)	367	68	111	197
Link Distance (ft)	1150		321	803
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		100		
Storage Blk Time (%)		0.00	0.01	
Queuing Penalty (veh)		1	1	

Intersection: 2: Beach Road & Route 1

Movement	WB	NB	SB	NW
Directions Served	U<LR	UTR>	U<LT	ULR>
Maximum Queue (ft)	147	1018	281	482
Average Queue (ft)	64	986	93	217
95th Queue (ft)	121	1113	204	423
Link Distance (ft)	833	988	321	553
Upstream Blk Time (%)		0.38	0.00	0.00
Queuing Penalty (veh)		306	1	2
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: School Street & Route 1

Movement	WB	WB	NB	SB
Directions Served	L	R	TR	L
Maximum Queue (ft)	190	51	773	36
Average Queue (ft)	51	29	643	6
95th Queue (ft)	144	60	1059	27
Link Distance (ft)	911		741	
Upstream Blk Time (%)			0.34	
Queuing Penalty (veh)			284	
Storage Bay Dist (ft)		25		300
Storage Blk Time (%)	0.09	0.56		
Queuing Penalty (veh)	2	15		

Intersection: 4: Agamenticus Road & Route 1

Movement	EB	WB	NB	NB	SB	SB
Directions Served	LTR	LTR	L	TR	L	TR
Maximum Queue (ft)	607	130	325	707	27	79
Average Queue (ft)	206	48	39	493	4	7
95th Queue (ft)	536	152	202	974	20	40
Link Distance (ft)	971	928		674		741
Upstream Blk Time (%)				0.25		
Queuing Penalty (veh)				203		
Storage Bay Dist (ft)			300		300	
Storage Blk Time (%)				0.43		
Queuing Penalty (veh)				7		

Intersection: 5: Bourne Lane & Route 1

Movement	WB	WB	NB	SB
Directions Served	L	R	TR	L
Maximum Queue (ft)	474	82	1416	61
Average Queue (ft)	162	45	654	17
95th Queue (ft)	535	89	1707	49
Link Distance (ft)	893		1450	
Upstream Blk Time (%)	0.02		0.16	
Queuing Penalty (veh)	0		0	
Storage Bay Dist (ft)		45		200
Storage Blk Time (%)	0.21	0.34		
Queuing Penalty (veh)	7	26		

Intersection: 6: Shore Road & School Street

Movement	SE	NW	NE
Directions Served	TR	LT	LR
Maximum Queue (ft)	69	134	62
Average Queue (ft)	7	16	29
95th Queue (ft)	36	74	56
Link Distance (ft)	553	622	911
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 16: Captain Thomas Road & Route 1

Movement	EB	NB	NB	SB
Directions Served	LR	L	T	TR
Maximum Queue (ft)	67	45	28	16
Average Queue (ft)	26	14	1	1
95th Queue (ft)	54	42	12	9
Link Distance (ft)	740		3702	1001
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		100		
Storage Blk Time (%)				
Queuing Penalty (veh)				

Nework Summary

Network wide Queuing Penalty: 853

Summary of All Intervals

Run Number	1	2	3	4	5	Avg
Start Time	12:35	12:35	12:35	12:35	12:35	12:35
End Time	1:45	1:45	1:45	1:45	1:45	1:45
Total Time (min)	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60
# of Intervals	2	2	2	2	2	2
# of Recorded Intvls	1	1	1	1	1	1
Vehs Entered	2136	2072	2107	2208	2067	2119
Vehs Exited	2137	2103	2108	2199	2074	2125
Starting Vehs	0	0	0	0	0	0
Ending Vehs	126	94	118	122	99	112
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	0	0	1	0	0	0
Travel Distance (mi)	2803	2819	2809	2917	2822	2834
Travel Time (hr)	113.3	113.2	110.2	133.2	114.7	116.9
Total Delay (hr)	24.2	23.8	21.9	40.6	25.8	27.3
Total Stops	1846	1788	1762	2373	1898	1934
Fuel Used (gal)	173.0	169.5	165.4	183.2	164.5	171.1

Interval #0 Information Seeding

Start Time	12:35
End Time	12:45
Total Time (min)	10

Volumes adjusted by Growth Factors.

No data recorded this interval.

Interval #1 Information Recording

Start Time	12:45
End Time	1:45
Total Time (min)	60

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	Avg
Vehs Entered	2136	2072	2107	2208	2067	2119
Vehs Exited	2137	2103	2108	2199	2074	2125
Starting Vehs	0	0	0	0	0	0
Ending Vehs	126	94	118	122	99	112
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	0	0	1	0	0	0
Travel Distance (mi)	2803	2819	2809	2917	2822	2834
Travel Time (hr)	113.3	113.2	110.2	133.2	114.7	116.9
Total Delay (hr)	24.2	23.8	21.9	40.6	25.8	27.3
Total Stops	1846	1788	1762	2373	1898	1934
Fuel Used (gal)	173.0	169.5	165.4	183.2	164.5	171.1

1: Berwick Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	0.4	0.7	0.9	2.0
Delay / Veh (s)	19.2	3.1	5.2	4.7
Stop/Veh	1.00	0.11	0.07	0.13
Avg Speed (mph)	15	18	23	20
Fuel Used (gal)	1.0	7.8	4.4	13.3
Vehicles Entered	72	798	653	1523
Vehicles Exited	71	796	649	1516
Hourly Exit Rate	71	796	649	1516
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

2: Beach Road & Route 1 Performance by approach

Approach	WB	SB	NW	All
Total Delay (hr)	1.2	2.2	2.7	6.1
Delay / Veh (s)	25.0	12.0	10.3	12.4
Stop/Veh	0.80	0.41	0.50	0.49
Avg Speed (mph)	12	12	8	11
Fuel Used (gal)	2.3	4.9	5.4	12.6
Vehicles Entered	180	665	934	1779
Vehicles Exited	177	661	930	1768
Hourly Exit Rate	177	661	930	1768
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

3: School Street & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	0.1	0.5	0.3	0.8
Delay / Veh (s)	11.6	2.6	2.0	2.6
Stop/Veh	1.00	0.00	0.01	0.04
Avg Speed (mph)	14	26	26	25
Fuel Used (gal)	0.3	4.3	2.5	7.0
Vehicles Entered	37	618	504	1159
Vehicles Exited	37	614	502	1153
Hourly Exit Rate	37	614	502	1153
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

4: Agamenticus Road & Route 1 Performance by approach

Approach	EB	WB	NB	SB	All
Total Delay (hr)	0.2	0.1	0.4	0.5	1.2
Delay / Veh (s)	11.1	12.5	2.6	3.3	3.5
Stop/Veh	1.02	1.00	0.01	0.02	0.08
Avg Speed (mph)	19	16	29	25	26
Fuel Used (gal)	0.8	0.2	5.6	3.6	10.0
Vehicles Entered	55	19	617	514	1205
Vehicles Exited	54	19	614	511	1198
Hourly Exit Rate	54	19	614	511	1198
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0

5: Bourne Lane & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	0.3	0.8	0.4	1.5
Delay / Veh (s)	14.8	4.2	2.7	4.2
Stop/Veh	1.03	0.00	0.03	0.07
Avg Speed (mph)	15	30	28	28
Fuel Used (gal)	0.9	9.0	6.1	16.0
Vehicles Entered	73	674	522	1269
Vehicles Exited	73	668	517	1258
Hourly Exit Rate	73	668	517	1258
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

6: School Street & Shore Road Performance by approach

Approach	EB	SE	NW	All
Total Delay (hr)	0.7	0.0	1.7	2.4
Delay / Veh (s)	56.9	0.5	17.5	13.6
Stop/Veh	1.00	0.02	0.30	0.24
Avg Speed (mph)	7	19	12	12
Fuel Used (gal)	0.9	2.3	3.1	6.3
Vehicles Entered	45	251	344	640
Vehicles Exited	45	251	341	637
Hourly Exit Rate	45	251	341	637
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

16: Captain Thomas Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	0.1	2.8	0.3	3.2
Delay / Veh (s)	9.7	12.7	1.9	8.0
Stop/Veh	1.00	0.01	0.00	0.03
Avg Speed (mph)	17	32	36	33
Fuel Used (gal)	0.3	26.2	6.0	32.5
Vehicles Entered	35	791	605	1431
Vehicles Exited	35	776	601	1412
Hourly Exit Rate	35	776	601	1412
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

18: Shore Road & Route 1 North Performance by approach

Approach	NW	NE	All
Total Delay (hr)	4.7	0.6	5.3
Delay / Veh (s)	47.5	2.5	16.0
Stop/Veh	1.01	0.10	0.37
Avg Speed (mph)	4	18	10
Fuel Used (gal)	3.9	6.9	10.8
Vehicles Entered	358	827	1185
Vehicles Exited	354	824	1178
Hourly Exit Rate	354	824	1178
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

19: Route 1 North & Route 1 Performance by approach

Approach	NB	SB	All
Total Delay (hr)	0.4	0.4	0.8
Delay / Veh (s)	2.5	2.0	2.2
Stop/Veh	0.00	0.00	0.00
Avg Speed (mph)	23	23	23
Fuel Used (gal)	3.4	6.5	9.9
Vehicles Entered	605	730	1335
Vehicles Exited	602	726	1328
Hourly Exit Rate	602	726	1328
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

Total Network Performance

Total Delay (hr)	27.3
Delay / Veh (s)	45.0
Stop/Veh	0.89
Avg Speed (mph)	24
Fuel Used (gal)	171.1
Vehicles Entered	2237
Vehicles Exited	2125
Hourly Exit Rate	2125
Denied Entry Before	0
Denied Entry After	0

Arterial Level of Service: NB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Bourne Lane	4.4	33.7	0.3	31
Obeds Lane	2.6	17.6	0.1	29
School Street	2.7	21.2	0.2	26
Route 1 North	2.5	18.0	0.1	23
Berwick Road	1.1	13.3	0.1	21
Captain Thomas Road	12.6	75.7	0.7	34
Total	25.9	179.5	1.5	30

Arterial Level of Service: SB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Captain Thomas Road	1.9	19.7	0.2	37
Berwick Road	5.2	24.5	0.2	25
Shore Road	8.6	17.6	0.1	15
Route 1 North	1.7	13.1	0.1	25
School Street	1.9	16.1	0.1	26
Agamenticus Road	3.4	22.3	0.2	24
Bourne Lane	2.6	17.7	0.1	29
Total	25.3	131.0	0.9	26

Arterial Level of Service: NW Shore Road

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
School Street	17.6	35.0	0.1	13
Route 1 North	47.3	57.8	0.1	5
Beach Road	13.9	21.3	0.0	8
Total	78.8	114.2	0.2	8

Arterial Level of Service: SE Shore Road

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
School Street	0.5	13.3	0.1	21
Total	0.5	13.3	0.1	21

Arterial Level of Service: EB School Street

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Shore Road	74.6	103.6	0.2	6
Total	74.6	103.6	0.2	6

Arterial Level of Service: WB School Street

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Route 1	8.7	34.6	0.2	19
Total	8.7	34.6	0.2	19

Arterial Level of Service: NE Route 1 North

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Shore Road	2.9	15.8	0.1	18
Total	2.9	15.8	0.1	18

Intersection: 1: Berwick Road & Route 1

Movement	EB	NB	NB	SB
Directions Served	LR	L	T	TR
Maximum Queue (ft)	93	68	262	165
Average Queue (ft)	32	23	42	33
95th Queue (ft)	67	53	143	107
Link Distance (ft)	1150		326	803
Upstream Blk Time (%)			0.00	
Queuing Penalty (veh)			0	
Storage Bay Dist (ft)		75		
Storage Blk Time (%)		0.00	0.01	
Queuing Penalty (veh)		2	1	

Intersection: 2: Beach Road & Route 1

Movement	WB	WB	SB	SB	NW	NW
Directions Served	L	R	<	T	R	>
Maximum Queue (ft)	141	126	165	319	241	94
Average Queue (ft)	69	38	49	144	199	41
95th Queue (ft)	123	89	107	275	258	73
Link Distance (ft)	840			326	168	168
Upstream Blk Time (%)				0.00	0.14	
Queuing Penalty (veh)				2	67	
Storage Bay Dist (ft)		100	200			
Storage Blk Time (%)	0.03	0.00		0.02		
Queuing Penalty (veh)	2	0		1		

Intersection: 3: School Street & Route 1

Movement	WB	WB	NB	SB
Directions Served	L	R	TR	L
Maximum Queue (ft)	49	48	4	36
Average Queue (ft)	14	16	0	5
95th Queue (ft)	37	45	3	24
Link Distance (ft)	910		741	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		25		300
Storage Blk Time (%)	0.06	0.03		
Queuing Penalty (veh)	1	1		

Intersection: 4: Agamenticus Road & Route 1

Movement	EB	WB	NB	NB	SB	SB
Directions Served	LTR	LTR	L	TR	L	TR
Maximum Queue (ft)	66	47	30	51	27	66
Average Queue (ft)	30	15	3	3	2	5
95th Queue (ft)	56	41	18	21	15	33
Link Distance (ft)	971	928		674		741
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)			300		300	
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 5: Bourne Lane & Route 1

Movement	WB	WB	NB	SB
Directions Served	L	R	TR	L
Maximum Queue (ft)	93	64	9	40
Average Queue (ft)	35	18	0	13
95th Queue (ft)	73	51	4	39
Link Distance (ft)	893		1450	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		45		200
Storage Blk Time (%)	0.05	0.01		
Queuing Penalty (veh)	1	0		

Intersection: 6: School Street & Shore Road

Movement	EB	SE	NW
Directions Served	LR	TR	LT
Maximum Queue (ft)	109	36	219
Average Queue (ft)	41	4	60
95th Queue (ft)	134	21	303
Link Distance (ft)	910	335	622
Upstream Blk Time (%)			0.01
Queuing Penalty (veh)			0
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 16: Captain Thomas Road & Route 1

Movement	EB	NB	NB	SB
Directions Served	LR	L	T	TR
Maximum Queue (ft)	53	39	12	21
Average Queue (ft)	20	7	1	1
95th Queue (ft)	44	29	8	11
Link Distance (ft)	740		3702	1001
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		100		
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 18: Shore Road & Route 1 North

Movement	NW	NE
Directions Served	T	L
Maximum Queue (ft)	349	179
Average Queue (ft)	189	37
95th Queue (ft)	366	119
Link Distance (ft)	335	341
Upstream Blk Time (%)	0.10	
Queuing Penalty (veh)	36	
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 19: Route 1 North & Route 1

Movement
Directions Served
Maximum Queue (ft)
Average Queue (ft)
95th Queue (ft)
Link Distance (ft)
Upstream Blk Time (%)
Queuing Penalty (veh)
Storage Bay Dist (ft)
Storage Blk Time (%)
Queuing Penalty (veh)

Nework Summary

Network wide Queuing Penalty: 114

Summary of All Intervals

Run Number	1	2	3	4	5	Avg
Start Time	12:35	12:35	12:35	12:35	12:35	12:35
End Time	1:45	1:45	1:45	1:45	1:45	1:45
Total Time (min)	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60
# of Intervals	2	2	2	2	2	2
# of Recorded Intvls	1	1	1	1	1	1
Vehs Entered	2585	2632	2504	2628	2703	2612
Vehs Exited	2401	2620	2493	2604	2612	2545
Starting Vehs	0	0	0	0	0	0
Ending Vehs	361	204	190	208	262	246
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	234	217	161	202	168	196
Travel Distance (mi)	3365	3603	3381	3498	3555	3480
Travel Time (hr)	397.6	299.1	261.5	279.2	284.3	304.3
Total Delay (hr)	291.5	185.1	154.4	168.2	171.9	194.2
Total Stops	6036	3002	3014	2950	3302	3658
Fuel Used (gal)	347.6	313.2	270.7	299.9	292.4	304.7

Interval #0 Information Seeding

Start Time	12:35
End Time	12:45
Total Time (min)	10

Volumes adjusted by Growth Factors.

No data recorded this interval.

Interval #1 Information Recording

Start Time	12:45
End Time	1:45
Total Time (min)	60

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	Avg
Vehs Entered	2585	2632	2504	2628	2703	2612
Vehs Exited	2401	2620	2493	2604	2612	2545
Starting Vehs	0	0	0	0	0	0
Ending Vehs	361	204	190	208	262	246
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	234	217	161	202	168	196
Travel Distance (mi)	3365	3603	3381	3498	3555	3480
Travel Time (hr)	397.6	299.1	261.5	279.2	284.3	304.3
Total Delay (hr)	291.5	185.1	154.4	168.2	171.9	194.2
Total Stops	6036	3002	3014	2950	3302	3658
Fuel Used (gal)	347.6	313.2	270.7	299.9	292.4	304.7

1: Berwick Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	5.2	1.6	4.5	11.3
Delay / Veh (s)	183.4	6.6	19.0	22.2
Stop Delay (hr)	5.2	1.0	2.7	8.9
St Del/Veh (s)	183.4	4.2	11.3	17.4
Total Stops	104	107	261	472
Stop/Veh	1.02	0.12	0.31	0.26
Travel Dist (mi)	21.8	68.3	133.9	224.0
Travel Time (hr)	6.1	4.6	9.1	19.9
Avg Speed (mph)	4	15	16	12
Fuel Used (gal)	4.0	8.6	7.8	20.4
Fuel Eff. (mpg)	5.5	7.9	17.2	11.0
HC Emissions (g)	11	21	21	52
CO Emissions (g)	189	748	270	1206
NOx Emissions (g)	21	83	29	133
Vehicles Entered	108	886	857	1851
Vehicles Exited	97	880	847	1824
Hourly Exit Rate	97	880	847	1824
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

2: Beach Road & Route 1 Performance by approach

Approach	WB	SB	NW	All
Total Delay (hr)	4.3	5.3	3.1	12.8
Delay / Veh (s)	71.8	22.2	11.2	22.1
Stop Delay (hr)	4.1	4.3	2.7	11.1
St Del/Veh (s)	67.8	18.2	9.7	19.3
Total Stops	242	327	361	930
Stop/Veh	1.11	0.38	0.36	0.45
Travel Dist (mi)	34.5	62.7	42.3	139.6
Travel Time (hr)	5.8	7.5	5.4	18.7
Avg Speed (mph)	6	8	8	8
Fuel Used (gal)	4.5	8.5	5.7	18.8
Fuel Eff. (mpg)	7.7	7.3	7.4	7.4
HC Emissions (g)	12	21	16	49
CO Emissions (g)	264	533	396	1193
NOx Emissions (g)	30	67	55	152
Vehicles Entered	220	861	1008	2089
Vehicles Exited	217	853	1003	2073
Hourly Exit Rate	217	853	1003	2073
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

3: School Street & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	0.3	2.8	0.4	3.5
Delay / Veh (s)	24.8	12.5	2.3	8.6
Stop Delay (hr)	0.3	1.7	0.0	2.1
St Del/Veh (s)	24.0	7.8	0.2	5.1
Total Stops	46	78	9	133
Stop/Veh	0.98	0.10	0.01	0.09
Travel Dist (mi)	4.8	121.7	73.2	199.7
Travel Time (hr)	0.5	7.0	2.9	10.4
Avg Speed (mph)	9	17	25	19
Fuel Used (gal)	0.4	6.9	3.0	10.4
Fuel Eff. (mpg)	10.8	17.6	24.1	19.2
HC Emissions (g)	1	16	7	25
CO Emissions (g)	36	294	94	424
NOx Emissions (g)	4	30	10	44
Vehicles Entered	48	808	633	1489
Vehicles Exited	46	796	628	1470
Hourly Exit Rate	46	796	628	1470
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

4: Agamenticus Road & Route 1 Performance by approach

Approach	EB	WB	NB	SB	All
Total Delay (hr)	0.7	0.3	2.2	0.7	3.9
Delay / Veh (s)	35.1	46.6	9.8	3.9	9.0
Stop Delay (hr)	0.6	0.3	1.2	0.0	2.2
St Del/Veh (s)	33.8	45.3	5.4	0.2	5.1
Total Stops	70	23	64	13	170
Stop/Veh	1.01	1.05	0.08	0.02	0.11
Travel Dist (mi)	12.8	4.2	114.5	99.3	230.8
Travel Time (hr)	1.2	0.5	5.6	4.1	11.4
Avg Speed (mph)	11	9	20	24	20
Fuel Used (gal)	1.2	0.3	9.0	4.5	15.0
Fuel Eff. (mpg)	11.0	12.6	12.7	22.3	15.4
HC Emissions (g)	3	1	21	11	35
CO Emissions (g)	84	17	663	206	970
NOx Emissions (g)	7	2	59	19	87
Vehicles Entered	71	23	817	647	1558
Vehicles Exited	67	22	807	645	1541
Hourly Exit Rate	67	22	807	645	1541
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0

5: Bourne Lane & Route 1 Performance by approach

Approach	WB	NB	SB	All
Total Delay (hr)	1.4	7.1	0.7	9.2
Delay / Veh (s)	48.0	28.6	3.7	20.0
Stop Delay (hr)	1.4	4.9	0.2	6.5
St Del/Veh (s)	46.4	19.9	0.9	14.1
Total Stops	109	85	28	222
Stop/Veh	1.03	0.10	0.04	0.13
Travel Dist (mi)	18.0	244.5	90.8	353.3
Travel Time (hr)	2.2	14.5	3.5	20.2
Avg Speed (mph)	8	21	26	21
Fuel Used (gal)	1.9	15.1	7.9	24.8
Fuel Eff. (mpg)	9.5	16.2	11.6	14.2
HC Emissions (g)	5	44	17	66
CO Emissions (g)	117	769	679	1565
NOx Emissions (g)	13	59	55	127
Vehicles Entered	108	901	653	1662
Vehicles Exited	104	887	651	1642
Hourly Exit Rate	104	887	651	1642
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

6: School Street & Shore Road Performance by approach

Approach	EB	SE	NW	All
Total Delay (hr)	7.6	0.1	114.7	122.3
Delay / Veh (s)	620.9	0.6	1625.4	697.9
Stop Delay (hr)	7.6	0.0	114.1	121.7
St Del/Veh (s)	620.4	0.0	1617.4	694.3
Total Stops	50	4	802	856
Stop/Veh	1.14	0.01	3.16	1.36
Travel Dist (mi)	7.7	23.3	28.9	59.9
Travel Time (hr)	7.9	1.2	115.9	125.0
Avg Speed (mph)	1	19	1	2
Fuel Used (gal)	4.4	2.9	72.4	79.8
Fuel Eff. (mpg)	1.7	7.9	0.4	0.8
HC Emissions (g)	12	9	295	316
CO Emissions (g)	187	414	2235	2835
NOx Emissions (g)	19	37	166	221
Vehicles Entered	52	333	268	653
Vehicles Exited	36	332	241	609
Hourly Exit Rate	36	332	241	609
Denied Entry Before	0	0	0	0
Denied Entry After	1	0	195	196

16: Captain Thomas Road & Route 1 Performance by approach

Approach	EB	NB	SB	All
Total Delay (hr)	0.2	3.4	0.6	4.2
Delay / Veh (s)	13.0	14.1	2.6	8.7
Stop Delay (hr)	0.1	0.0	0.1	0.3
St Del/Veh (s)	12.3	0.1	0.7	0.7
Total Stops	43	22	0	65
Stop/Veh	1.02	0.02	0.00	0.04
Travel Dist (mi)	6.1	602.7	152.4	761.2
Travel Time (hr)	0.4	19.1	4.6	24.0
Avg Speed (mph)	16	32	34	32
Fuel Used (gal)	0.4	30.2	7.8	38.3
Fuel Eff. (mpg)	15.6	20.0	19.6	19.9
HC Emissions (g)	1	64	21	86
CO Emissions (g)	39	1426	801	2267
NOx Emissions (g)	3	153	51	207
Vehicles Entered	43	891	806	1740
Vehicles Exited	42	873	801	1716
Hourly Exit Rate	42	873	801	1716
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

18: Shore Road & Route 1 North Performance by approach

Approach	NW	NE	All
Total Delay (hr)	13.3	2.3	15.6
Delay / Veh (s)	183.7	7.8	41.8
Stop Delay (hr)	13.1	1.5	14.6
St Del/Veh (s)	181.9	4.8	39.0
Total Stops	280	277	557
Stop/Veh	1.08	0.26	0.41
Travel Dist (mi)	18.6	84.2	102.7
Travel Time (hr)	14.0	6.3	20.3
Avg Speed (mph)	1	13	5
Fuel Used (gal)	8.2	8.9	17.1
Fuel Eff. (mpg)	2.3	9.4	6.0
HC Emissions (g)	21	27	48
CO Emissions (g)	287	945	1232
NOx Emissions (g)	39	95	134
Vehicles Entered	268	1087	1355
Vehicles Exited	253	1082	1335
Hourly Exit Rate	253	1082	1335
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

19: Route 1 North & Route 1 Performance by approach

Approach	NB	SB	All
Total Delay (hr)	2.3	1.0	3.2
Delay / Veh (s)	10.4	3.7	6.8
Stop Delay (hr)	1.3	0.5	1.8
St Del/Veh (s)	5.9	1.8	3.7
Total Stops	90	7	97
Stop/Veh	0.11	0.01	0.06
Travel Dist (mi)	90.5	86.4	177.0
Travel Time (hr)	5.7	4.1	9.9
Avg Speed (mph)	16	21	18
Fuel Used (gal)	5.1	7.6	12.7
Fuel Eff. (mpg)	17.8	11.3	13.9
HC Emissions (g)	13	20	32
CO Emissions (g)	237	743	980
NOx Emissions (g)	22	64	86
Vehicles Entered	792	935	1727
Vehicles Exited	784	929	1713
Hourly Exit Rate	784	929	1713
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

Total Network Performance

Total Delay (hr)	194.2
Delay / Veh (s)	262.1
Stop Delay (hr)	171.3
St Del/Veh (s)	231.1
Total Stops	3658
Stop/Veh	1.37
Travel Dist (mi)	3480.4
Travel Time (hr)	304.3
Avg Speed (mph)	17
Fuel Used (gal)	304.7
Fuel Eff. (mpg)	11.4
HC Emissions (g)	872
CO Emissions (g)	17934
NOx Emissions (g)	1570
Vehicles Entered	2791
Vehicles Exited	2545
Hourly Exit Rate	2545
Denied Entry Before	0
Denied Entry After	196

Arterial Level of Service: NB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Bourne Lane	28.3	57.7	0.3	22
Obeds Lane	9.4	24.4	0.1	21
School Street	12.7	31.4	0.2	17
Route 1 North	10.5	26.1	0.1	16
Berwick Road	1.5	13.2	0.1	21
Captain Thomas Road	13.9	77.5	0.7	33
Total	76.3	230.4	1.5	24

Arterial Level of Service: SB Route 1

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Captain Thomas Road	2.7	20.4	0.2	36
Berwick Road	19.0	38.3	0.2	17
Shore Road	9.5	18.5	0.1	15
Route 1 North	1.6	12.9	0.1	25
School Street	2.1	16.3	0.1	26
Agamenticus Road	3.9	22.8	0.2	24
Bourne Lane	3.0	18.0	0.1	28
Total	41.6	147.1	0.9	24

Arterial Level of Service: NW Shore Road

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
School Street	1619.1	1635.9	0.1	1
Route 1 North	183.3	193.8	0.1	1
Beach Road	17.4	24.8	0.0	7
Total	1819.7	1854.4	0.2	2

Arterial Level of Service: SE Shore Road

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
School Street	0.6	13.3	0.1	21
Total	0.6	13.3	0.1	21

Arterial Level of Service: EB School Street

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Shore Road	511.9	541.0	0.2	1
Total	511.9	541.0	0.2	1

Arterial Level of Service: WB School Street

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Route 1	36.8	70.7	0.2	9
Total	36.8	70.7	0.2	9

Arterial Level of Service: NE Route 1 North

Cross Street	Delay	Travel Time (s)	Dist (mi)	Arterial Speed
Shore Road	9.4	22.3	0.1	13
Total	9.4	22.3	0.1	13

Intersection: 1: Berwick Road & Route 1

Movement	EB	NB	NB	SB	B9
Directions Served	LR	L	T	TR	T
Maximum Queue (ft)	408	85	268	497	582
Average Queue (ft)	156	36	65	166	111
95th Queue (ft)	484	81	210	577	875
Link Distance (ft)	1150		326	803	3702
Upstream Blk Time (%)			0.04	0.04	
Queuing Penalty (veh)			43	29	
Storage Bay Dist (ft)		75			
Storage Blk Time (%)		0.06	0.02		
Queuing Penalty (veh)		61	1		

Intersection: 2: Beach Road & Route 1

Movement	WB	WB	SB	SB	NW	NW
Directions Served	L	R	<	T	R	>
Maximum Queue (ft)	364	130	207	368	241	110
Average Queue (ft)	156	61	111	194	218	35
95th Queue (ft)	418	133	220	396	242	79
Link Distance (ft)	840			326	168	168
Upstream Blk Time (%)	0.01			0.07	0.23	
Queuing Penalty (veh)	0			57	143	
Storage Bay Dist (ft)		100	200			
Storage Blk Time (%)	0.18	0.05	0.12	0.04		
Queuing Penalty (veh)	13	7	91	3		

Intersection: 3: School Street & Route 1

Movement	WB	WB	NB	SB
Directions Served	L	R	TR	L
Maximum Queue (ft)	56	49	320	36
Average Queue (ft)	19	21	74	8
95th Queue (ft)	48	51	434	31
Link Distance (ft)	910		741	
Upstream Blk Time (%)			0.04	
Queuing Penalty (veh)			36	
Storage Bay Dist (ft)		25		300
Storage Blk Time (%)	0.13	0.11		
Queuing Penalty (veh)	3	3		

Intersection: 4: Agamenticus Road & Route 1

Movement	EB	WB	NB	NB	SB	SB
Directions Served	LTR	LTR	L	TR	L	TR
Maximum Queue (ft)	122	69	41	291	27	76
Average Queue (ft)	44	23	7	55	4	7
95th Queue (ft)	98	58	28	345	19	44
Link Distance (ft)	971	928		674		741
Upstream Blk Time (%)				0.03		
Queuing Penalty (veh)				26		
Storage Bay Dist (ft)			300		300	
Storage Blk Time (%)				0.04		
Queuing Penalty (veh)				1		

Intersection: 5: Bourne Lane & Route 1

Movement	WB	WB	NB	SB
Directions Served	L	R	TR	L
Maximum Queue (ft)	184	81	318	65
Average Queue (ft)	64	30	94	22
95th Queue (ft)	159	72	671	56
Link Distance (ft)	893		1450	
Upstream Blk Time (%)			0.02	
Queuing Penalty (veh)			0	
Storage Bay Dist (ft)		45		200
Storage Blk Time (%)	0.24	0.04		
Queuing Penalty (veh)	8	3		

Intersection: 6: School Street & Shore Road

Movement	EB	SE	NW
Directions Served	LR	TR	LT
Maximum Queue (ft)	441	44	656
Average Queue (ft)	191	3	630
95th Queue (ft)	557	21	703
Link Distance (ft)	910	335	622
Upstream Blk Time (%)	0.01		0.86
Queuing Penalty (veh)	1		0
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 16: Captain Thomas Road & Route 1

Movement	EB	NB	NB	SB
Directions Served	LR	L	T	TR
Maximum Queue (ft)	54	53	54	10
Average Queue (ft)	22	16	3	0
95th Queue (ft)	46	44	28	7
Link Distance (ft)	740		3702	1001
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		100		
Storage Blk Time (%)			0.00	
Queuing Penalty (veh)			0	

Intersection: 18: Shore Road & Route 1 North

Movement	NW	NE	NE
Directions Served	T	L	R
Maximum Queue (ft)	365	370	407
Average Queue (ft)	351	139	65
95th Queue (ft)	365	337	312
Link Distance (ft)	335	341	341
Upstream Blk Time (%)	0.76	0.05	0.06
Queuing Penalty (veh)	360	28	32
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 19: Route 1 North & Route 1

Movement	NB	SB
Directions Served	R	L
Maximum Queue (ft)	174	79
Average Queue (ft)	57	15
95th Queue (ft)	328	129
Link Distance (ft)	544	393
Upstream Blk Time (%)	0.04	0.01
Queuing Penalty (veh)	36	5
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Nework Summary

Network wide Queuing Penalty: 989